

LAND RECLAMATION COMMISSION

STATE OF MISSOURI

P.O. BOX 176

JEFFERSON CITY, MISSOURI 65102

573-751-4041

Permit to Engage in Surface Mining

LAND RECLAMATION COMMISSION

ISSUES TO


BAILEY QUARRIES, INC.

Pursuant to "The Land Reclamation Act," RSMo, 2001, and on conformity with the statements in the application, a permit is hereby granted to engage in surface mining of limestone in the state of Missouri. The extent of the proposed mining operation(s) will be on 166 acres, more or less. The locations of the operation(s) under this permit is/are as follows: Renewal

See Attached List

This permit may be suspended or revoked upon violation of any or all of the conditions set forth in "The Land Reclamation Act," RSMo. 2001, or in such rules and regulations as are promulgated pursuant thereto by the Land Reclamation Commission.

IN WITNESS WHEREOF I have hereunto set my hand this 16th day of June 2004



DIRECTOR OF STAFF
Land Reclamation Commission

Permit No 0423
Effective Date 07/14/2004
Expiration Date 07/13/2005

MO 780-1122 (6-95)

Permit Number 0423 Expiration Date – 07/13/2005

[illegible]

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JUN 14 2004



MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION

PERMIT RENEWAL FOR INDUSTRIAL MINERAL MINES

MISSOURI LAND
RECLAMATION COMMISSION

P.O. BOX 176
JEFFERSON CITY, MO 65102-0176

NAME OF CORPORATION, COMPANY, PARTNERSHIP OR INDIVIDUAL Bailey Quarries, Inc		DATE June 9, 2004	
ADDRESS PO Box 430	CITY Republic	STATE MO	ZIP CODE 65738
CONTACT PERSON David E Bailey		TELEPHONE NUMBER (417) 732-8286	

FEES: COMPLETE SECTION I OR SECTION II

SECTION I. Fees: Open pit operators and those mining more than 5,000 tons of sand and/or gravel:

1. To compute the site fee complete the information below:

SITE NAME OR NUMBER (add a separate sheet for additional sites)	Mark each month that the site will be operated during the permit year	For sites operated less than six months per permit year pay \$150 For sites operated six months or more per permit year pay \$300
1. Chesapeake 0482	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$ 300
2. Madry 0481	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$ 300
3. Stockton 0484	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$ 300
4. Jane 0483	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$ 300
5. Spencer 0485	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$ 150
6.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
7.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
8.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
9.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
10.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
TOTAL SITE FEE		\$ 1350

2. Acreage Fee \$5 X 166 number of acres bonded \$ 830

3. Annual Permit Fee \$ 500

4. Total Fee (Add totals from 1, 2 and 3) \$ 2680

NOTE: If Total Fee exceeds \$2,500.00 then pay only \$ 2,500

SECTION II. FEES: Sand or gravel operators mining less than 5,000 tons per year:

1. Annual Permit Fee \$ 300

SIGNATURE OF APPLICANT <i>David E Bailey</i>		TITLE <i>Pres.</i>	DATE <i>6-9-04</i>
Appeared before me this <u>9th</u> day of <u>June</u> , 20 <u>04</u> . <i>David E. Bailey</i> to me personally known, who executed the above as their free acts and deeds.			
NOTARY PUBLIC EMBOSSEER SEAL	STATE OF <i>Missouri</i>		COUNTY (OR CITY OF ST. LOUIS) <i>Greene</i>
	SUBSCRIBED AND SWORN BEFORE ME, THIS <i>9th</i> DAY OF <i>June</i> YEAR <i>2004</i>		USE RUBBER STAMP IN CLEAR AREA BELOW.
	NOTARY PUBLIC SIGNATURE <i>Monica L. Epps</i>	MY COMMISSION EXPIRES <i>4-24-2005</i>	MONICA L. EPPS NOTARY PUBLIC STATE OF MISSOURI LAWRENCE COUNTY MY COMMISSION EXPIRES APR. 24, 2005
	NOTARY PUBLIC NAME (TYPED OR PRINTED) <i>Monica L Epps</i>		
FOR DEPARTMENT USE ONLY: APPROVED BY <i>Michael J. Munk</i>		DATE APPROVED <i>6/16/04</i>	PERMIT NUMBER <i>0423</i>
		EXPIRATION DATE <i>7/13/05</i>	



MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION
SITE INFORMATION FORM

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MISSOURI LAND
RECLAMATION COMMISSION

To be completed for each separate area of disturbance associated with mining operations.		
SITE NAME OR NUMBER MADRY		PERMIT NUMBER 423
COMPANY NAME BAILEY QUARRIES, INC.		
COUNTY BARRY	1/4 SECTION	SECTION 26
TOWNSHIP 25N	RANGE 26W	ACRES 160
RIVER OR STREAM NAME (FOR IN-STREAM ACRES)		
MINERAL COMMODITY LIMESTONE		ESTIMATED TONS/YEAR (FOR GRAVEL SITES) N/A

NAME OF LANDOWNER (ATTACH LIST IF MORE THAN ONE) DARRELL & JOYCE WILLIAMS		
ADDRESS RT.#1 - BOX# 90		
CITY VERONA	STATE MO	ZIP CODE 65769
SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE): _____		DATE OF AGREEMENT 9-9-97
<input checked="" type="checkbox"/> LEASE <input type="checkbox"/> VERBAL AGREEMENT		

MINERAL RIGHTS OWNER (ATTACH LIST IF MORE THAN ONE) DARRELL & JOYCE WILLIAMS		
ADDRESS RT.#1 - BOX# 90		
CITY VERONA	STATE MO	ZIP CODE 65769
SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE): _____		DATE OF AGREEMENT 9-9-97
<input checked="" type="checkbox"/> LEASE <input type="checkbox"/> VERBAL AGREEMENT		
NOTE: Each site must be shown on a map and be included in a public notice and an approved mine plan.		

MO 780-1036 (12-91)



MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION

MINE PLAN

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*Madry
Sik*

MISSOURI LAND

P.O. BOX 176
JEFFERSON CITY, MO 65102

TYPE OF PLAN (CHECK ONE):

☐ SHORT TERM, FOR ONE PERMIT YEAR

☒ LONG TERM, FOR PERIOD THROUGH DATE: 2008

DESCRIPTION OF SITE PRIOR TO LAND RECLAMATION COMMISSION PERMITTING (BY APPLICANT OR PRIOR OPERATOR), INCLUDING SOIL, VEGETATION AND TOPOGRAPHY.

Plan covers an area of approximately 160 acres.
Topography is rolling with steep slopes, grassy, some open area and some wooded area. Topsoil is thin and rocky.

OPERATION PLAN - 10 CSR 40-10.020(2)(D)1.

A. TOPSOIL

AVERAGE DEPTH OF TOPSOIL, PRIOR TO LAND RECLAMATION COMMISSION PERMITTING

1 INCHES

IS TOPSOIL TO BE SOLD OR DISCARDED OFFSITE?

☐ YES OR ☒ NO

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL REMOVAL

The removal of overburden will be done by dozer.
The topsoil will be placed in storage piles and
subsoil will be placed in storage areas to be used
in the final grading after quarrying operations have been
completed in specific areas.

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL STORAGE AND PROTECTION

Top Soil removal will be done with a dozer and will be
placed in storage piles near the pit area with either
the dozer or end-loader and trucks. Piles will be seeded
to resist erosion.

B. SPOIL

DESCRIBE METHODS AND LOCATION OF SPOIL PLACEMENT AND DISPOSAL

MISSOURI LAND
RECLAMATION COMMISSION

All overburden removed from quarry areas will be placed adjacent to pit areas and graded to a rolling topography and top soil will then be placed on piles.

C. ACID MATERIALS

DESCRIBE METHODS AND EQUIPMENT USED FOR HANDLING ACID MATERIALS (IF NONE IS ANTICIPATED, WRITE "NONE" BELOW)

NONE

D. PIT INFORMATION (GIVE ALL DIMENSIONS IN FEET)

DESCRIBE LOCATION AND ORIENTATION OF PIT, IF NOT CLEAR ON SITE MAPS

The first cut will be approximately in the center of the western 15 acres of the permit area. From there, the pit will advance to the north.

YES NO

☐ ☒ Will any excavation be at or within fifty feet (50') of the right-of-way of any public road?

☐ ☒ Will any highwall consisting of unconsolidated materials be left within fifty feet of the right-of-way of any public road? (NOTE: For unconsolidated materials left in place, a slope of no more than forty degrees may start near the right of way, and in no case may the excavation be closer to the right of way than fifty feet or twenty-five feet plus one and one-half (1-½) times the depth of unconsolidated material, whichever is greater, unless a variance is granted by the Commission.)

☐ ☒ Will any excavation start at or within fifty feet (50') of any property line? (NOTE: If the answer is "yes", a safety barrier may be needed.)

RECLAMATION PLAN - 10 CSR 40-10.020(2)(D)2.

A. REVEGETATION (Attach additional sheets, if needed)

MISSOURI LAND

REVEGETATION MIX #1

PURPOSE OR LAND USE

RECLAMATION COMMISSION SEEDING OR PLANTING TIME

#1

PASTURE

SPRING March 15 to May 15

DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

During the first spring following topsoil replacement, the seed mix will be broadcast and harrowed. Re-seeding will be done as needed to achieve grass cover sufficient to control erosion and to support pasture.

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE
Kentucky 31 Fescue Korean Lespedeza	25# per acre 10# 5# per acre	changed per telephone conversation on 02/26/99 w/ David Bailey. f/h 02/26/99	

REVEGETATION MIX #2

PURPOSE OR LAND USE

B. SEEDING OR PLANTING TIME

N/A

DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE

ATTACH ADDITIONAL SHEETS FOR ADDITIONAL SEED MIXES.

B. GRADING

DESCRIBE PROPOSED RECLAIMED TOPOGRAPHY, INCLUDING SLOPES

All spoil areas will be graded to slopes traversable by farm machinery. Final pit areas to be used for livestock production and some small lakes.

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MISSOURI LAND
RECLAMATION COMMISSION

C. DESCRIBE THE GENERAL SEQUENCE AND TIMING OF THE FOLLOWING ACTIVITIES

GRADING

Grading will be done as spoil areas reach their capacity and as pits advance, requiring new areas to be used.

REPLACEMENT OF TOPSOIL

Topsoil will then be placed over the finished graded areas.

VEGETATION

All topsoiled areas will be seeded upon completion of grading and finishing of piles

AVERAGE DEPTH OF REPLACED TOPSOIL (INCHES)

8" AVG - MAY VARY FROM 4" TO 12" ACROSS PERIMETER.

D. USE OF LAND WHEN RECLAIMED

Estimate acreage of each land use below, after reclamation

ESTIMATED ACRES:

Wildlife (forest or other habitat with livestock excluded)

Agricultural (pasture, cropland, and horticultural)

Development (residential, industrial, and recreational)

Water impoundments (for wildlife, agricultural, or development)

H.L.
155-20711
16/14/98
160 CHANGES
DICK BY
Randy Bailey
5

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FEB - 5 1998

MISSOURI LAND
RECLAMATION COMMISSION

By my signature, I attest to the following:

1. All statements made on this Mine Plan Form are correct, complete, and true, to the best of my knowledge.
2. I or the company I am authorized to represent intend(s) to mine in accordance with this Mine Plan Form, and in accordance with the Missouri Land Reclamation Act, Sections 444.760 through 444.789, RSMo (Supp. 1990), and all rules, regulations, orders, decisions and permits of the Missouri Land Reclamation Commission pertaining to my company's surface mining operations.
3. I have obtained the approval of all landowner's for all proposed post-reclamation land uses.
4. I have a valid agreement with all landowners which gives me the right to grant access to the Director of the Missouri Land Reclamation Commission and his authorized representatives, and I grant such access, and further where I have no such right, I have attached signed affidavits from the landowners, granting such access.

SIGNATURE OF APPLICANT <i>David E Bailey</i>		TITLE <i>Pres.</i>	DATE <i>1-20-98</i>	
NOTARY PUBLIC EMBOSSEER SEAL	STATE <i>Missouri</i>	COUNTY (OR CITY OF ST. LOUIS) <i>Greene</i>		
	SUBSCRIBED AND SWORN BEFORE ME, THIS <i>20th</i> DAY OF <i>January</i> 19 <i>98</i>			
	NOTARY PUBLIC SIGNATURE <i>Monica L. Epps</i>	MY COMMISSION EXPIRES <i>04-24-2001</i>	USE RUBBER STAMP IN CLEAR AREA BELOW MONICA L EPPS NOTARY PUBLIC STATE OF MISSOURI LAWRENCE COUNTY MY COMMISSION EXP. APR. 24,2001	
	NOTARY PUBLIC NAME (TYPED OR PRINTED) <i>Monica L Epps</i>			
APPROVED BY (DIRECTOR'S REPRESENTATIVE) <i>Mark Jensen</i>		DATE APPROVED <i>5/14/98</i>	PERMIT NUMBER <i>0423</i>	

Bailey Quarries, Inc.

P.O. Box 430 • REPUBLIC, MISSOURI 65738 • Phone (417) 732-8286 • Fax (417) 732-8888

February 15, 1999

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FEB 17 1999
MISSOURI LAND
RECLAMATION COMMISSION

I hereby approve of the post-reclamation plan change to industrial use, proposed by Bailey Quarries, Inc., for the quarry property I have leased with them.

Darrell Williams
Darrell Williams

Joyce Williams
Joyce Williams

SECTION 26
TOWNSHIP 25 N
RANGE 26 W

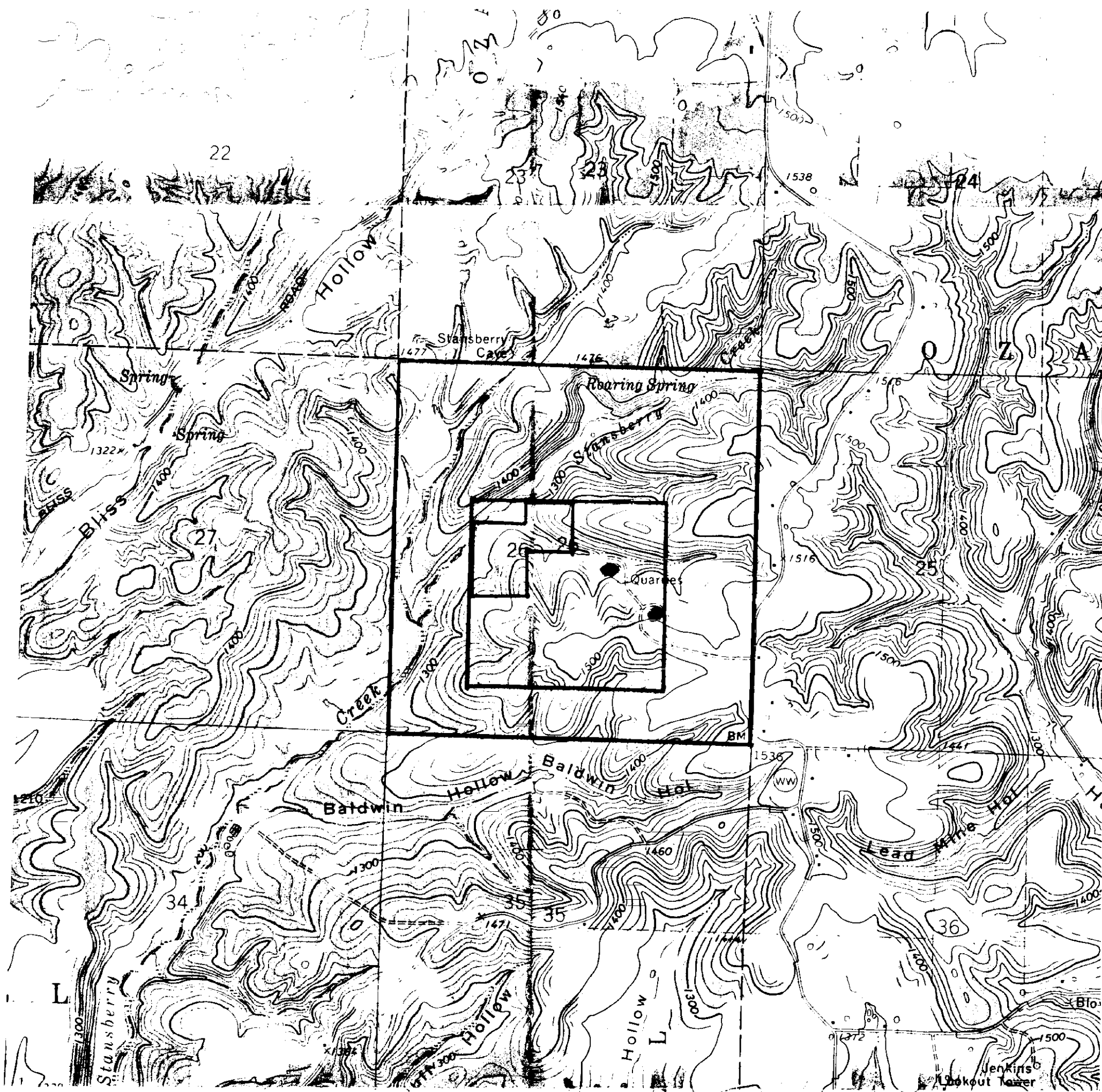
BAILEY QUARRIES, INC.
DAVID E. BAILEY, PRES.
DATE 1-8-98
USGS 7 1/2 min.

NORTH

Madry Site

4

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RECLAMATION COMMISSION



- OWNERSHIP BOUNDARIES (JOYCE & DARRELL WILLIAMS)
- MINE PLAN AREA 160 ACRES
- CURRENT PERMIT AREA 25 ACRES
- MINED PRIOR 1972 & 1990



MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION
SITE INFORMATION FORM

To be completed for each separate area of disturbance associated with mining operations.

SITE NAME OR NUMBER CHESAPEAKE WEST		PERMIT NUMBER #423	
COMPANY NAME BAILEY QUARRIES, INC.			
COUNTY LAWRENCE	1/4 SECTION	SECTION 21, 22, 27 <i>HH DEB</i>	
TOWNSHIP 28N	RANGE 25W	ACRES 53 200 <i>HH DEB</i>	
RIVER OR STREAM NAME (FOR IN-STREAM ACRES)			
MINERAL COMMODITY LIMESTONE		ESTIMATED TONS/YEAR (FOR GRAVEL SITES)	

NAME OF LANDOWNER (ATTACH LIST IF MORE THAN ONE) BAILEY QUARRIES, INC.		
ADDRESS P.O. BOX# 430		
CITY REPUBLIC	STATE MO	ZIP CODE 65738
SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input checked="" type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE):		DATE OF AGREEMENT
<input type="checkbox"/> LEASE <input type="checkbox"/> VERBAL AGREEMENT		

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JUL 28 1998

MINERAL RIGHTS OWNER (ATTACH LIST IF MORE THAN ONE) BAILEY QUARRIES, INC.		
ADDRESS P.O. BOX# 430		
CITY REPUBLIC,	STATE MO	ZIP CODE 65738
SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input checked="" type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE):		DATE OF AGREEMENT
<input type="checkbox"/> LEASE <input type="checkbox"/> VERBAL AGREEMENT		

NOTE: Each site must be shown on a map and be included in a public notice and an approved mine plan.



MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION
MINE PLAN

Chesapeake
P.O. BOX 176
JEFFERSON CITY, MO 65102

TYPE OF PLAN (CHECK ONE):

☐ SHORT TERM, FOR ONE PERMIT YEAR

☒ LONG TERM, FOR PERIOD THROUGH DATE: Dec. 31, ~~2009~~

DESCRIPTION OF SITE PRIOR TO LAND RECLAMATION COMMISSION PERMITTING (BY APPLICANT OR PRIOR OPERATOR), INCLUDING SOIL, VEGETATION AND TOPOGRAPHY.

2100 7/11/08
Chesapeake West Site
old Roach Quarry
200 7/11/08
This plan covers an area of approximately ~~55~~ *200* acres (see map 1). Much of the area is gently sloping pasture land with the remainder brush and cedars. The area is bordered to the west by a county road.

Two pits are currently present in the plan area. The southern one (approx. 2.3 acres) was mined in 1950-52. The current pit to the north (approx. 6.5 acres) is partially full of water.

OPERATION PLAN - 10 CSR 40-10.020(2)(D)1.

A. TOPSOIL

AVERAGE DEPTH OF TOPSOIL, PRIOR TO LAND RECLAMATION COMMISSION PERMITTING

12 INCHES

IS TOPSOIL TO BE SOLD OR DISCARDED OFFSITE?

☐ YES OR ☒ NO

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL REMOVAL

Trees and brush will be cleared with dozers and loaders. The topsoil will be removed with dozers and scrapers and kept 20' ahead of pit excavation.

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL STORAGE AND PROTECTION

The scrapers will place the soil in shaped stockpiles near the pit area and also parallel to the county road as a buffer. Stockpiles will be shaped and seeded with grass to protect from erosion.

REVISED

as of **MAY 28 1994**

(see I+E section on
Commission granted variance)

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FEB 25 1994

MISSOURI LAND
RECLAMATION COMMISSION

B. SPOIL

DESCRIBE METHODS AND LOCATION OF SPOIL PLACEMENT AND DISPOSAL

Most overburden and spoil will be placed at the lower end of the pit (NE) and be utilized for a dam. Other spoil will be utilized in final slopes before topsoil is replaced.

C. ACID MATERIALS

DESCRIBE METHODS AND EQUIPMENT USED FOR HANDLING ACID MATERIALS (IF NONE IS ANTICIPATED, WRITE "NONE" BELOW)

NONE

D. PIT INFORMATION (GIVE ALL DIMENSIONS IN FEET)

DESCRIBE LOCATION AND ORIENTATION OF PIT, IF NOT CLEAR ON SITE MAPS

Mining will continue in its present direction; from the lower portion of the pit southwesterly taking the rock exposed by previous mining. Next the pit will be extended south toward the old pit.

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YES NO

- | | | |
|--------------------------|-------------------------------------|---|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Will any excavation be at or within fifty feet (50') of the right-of-way of any public road? |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Will any highwall consisting of unconsolidated materials be left within fifty feet of the right-of-way of any public road? (NOTE: For unconsolidated materials left in place, a slope of no more than forty degrees may start near the right of way, and in no case may the excavation be closer to the right of way than fifty feet or twenty-five feet plus one and one-half (1-½) times the depth of unconsolidated material, whichever is greater, unless a variance is granted by the Commission.) |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Will any excavation start at or within fifty feet (50') of any property line?
(NOTE: If the answer is "yes", a safety barrier may be needed.) |

RECLAMATION PLAN - 10 CSR 40-10.020(2)(D)2.
Chesapeake
A. REVEGETATION (Attach additional sheets, if needed)

REVEGETATION MIX #1

PURPOSE OR LAND USE

Agricultural (pasture)

B. SEEDING OR PLANTING TIME

Fall or Spring

DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

Aug.-Sept.

Feb.-April

During the first seeding period following topsoil placement, seed will be broadcast and manipulated.

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE
Fesche	35		
Alphalfa	5		

REVEGETATION MIX #2

PURPOSE OR LAND USE

B. SEEDING OR PLANTING TIME

DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE

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 MISSOURI LAND
 RECLAMATION COMMISSION

ATTACH ADDITIONAL SHEETS FOR ADDITIONAL SEED MIXES.

Chapman

B. GRADING**DESCRIBE PROPOSED RECLAIMED TOPOGRAPHY, INCLUDING SLOPES**

Pit area to be dammed at north eastern opening and allowed to fill with water. The existing storage area on west will be cleaned of rock and shaped to gently sloping pasture. The existing rock processing area will be leveled by placing boulders in high wall slopes or in the bottom of the pit to be filled with water. Then the resulting area will be reclaimed to gently sloping pasture.

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MAY 12 1994
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RECLAMATION COMMISSION

C. DESCRIBE THE GENERAL SEQUENCE AND TIMING OF THE FOLLOWING ACTIVITIES**GRADING**

Grading will be done as necessary as pit advances. Final grading will be completed within one year of permit expiration, or permanent quarry cessation, on all mined out portions as allowed in the variance approved May 1994.

REPLACEMENT OF TOPSOIL

To be completed within 12 months after expiration of permit or permanent quarry cessation as allowed in the variance approved May 1994.

40
6

REVEGETATION

All topsoil areas will be seeded during the first planting season following topsoil replacement as allowed in the variance approved May 1994.

AVERAGE DEPTH OF REPLACED TOPSOIL (INCHES)

A & B horizons 12 inches

D. USE OF LAND WHEN RECLAIMED

Estimate acreage of each land use below, after reclamation

ESTIMATED ACRES:

Wildlife (forest or other habitat with livestock excluded)

-0-

Agricultural (pasture, cropland, and horticultural)

15 DEB

Development (residential, industrial, and recreational)

8 DEB 55
200 3/4 DEB

Water impoundments (for wildlife, agricultural, or development)

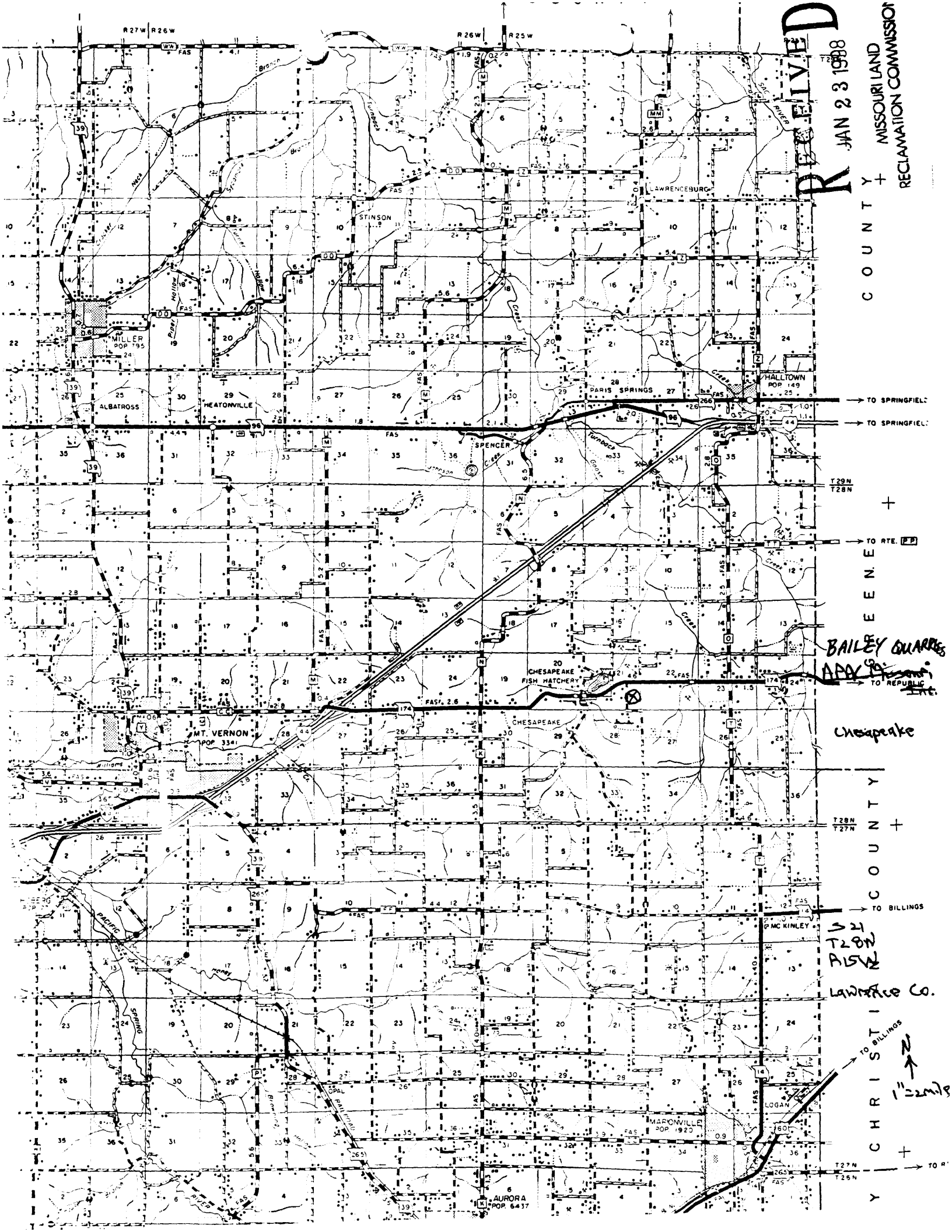
1 DEB

By my signature, I attest to the following:

1. All statements made on this Mine Plan Form are correct, complete, and true, to the best of my knowledge.
2. I or the company I am authorized to represent intend(s) to mine in accordance with this Mine Plan Form, and in accordance with the Missouri Land Reclamation Act, Sections 444.760 through 444.789, RSMo (Supp.) 1990) and all rules, regulations, orders, decisions and permits of the Missouri Land Reclamation Commission pertaining to my company's surface mining operations.
3. I have obtained the approval of all landowner's for all proposed post-reclamation land uses.
4. I have a valid agreement with all landowners which gives me the right to grant access to the Director of the Missouri Land Reclamation Commission and his authorized representatives, and I grant such access, and further where I have no such right, I have attached signed affidavits from the landowners, granting such access.

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AUG 31 1998
MISSOURI LAND
RECLAMATION COMMISSION

SIGNATURE OF APPLICANT <i>David E Bailey</i>		TITLE <i>Pres.</i>	DATE <i>8-27-98</i>
NOTARY PUBLIC EMBOSSEER SEAL	STATE <i>Missouri</i>	COUNTY (OR CITY OF ST. LOUIS) <i>Greene</i>	
	SUBSCRIBED AND SWORN BEFORE ME, THIS <i>27th</i> DAY OF <i>August</i> 19 <i>98</i>		USE RUBBER STAMP IN CLEAR AREA BELOW MONICA L EPPS NOTARY PUBLIC STATE OF MISSOURI LAWRENCE COUNTY MY COMMISSION EXP. APR. 24 2001
	NOTARY PUBLIC SIGNATURE <i>Monica L. Epps</i>	MY COMMISSION EXPIRES <i>04-24-2001</i>	
	NOTARY PUBLIC NAME (TYPED OR PRINTED) <i>Monica L. Epps</i>		
APPROVED BY (DIRECTOR'S REPRESENTATIVE) <i>Christopher Shivers</i>		DATE APPROVED <i>9/14/98</i>	PERMIT NUMBER <i>0423</i>



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JAN 23 1988

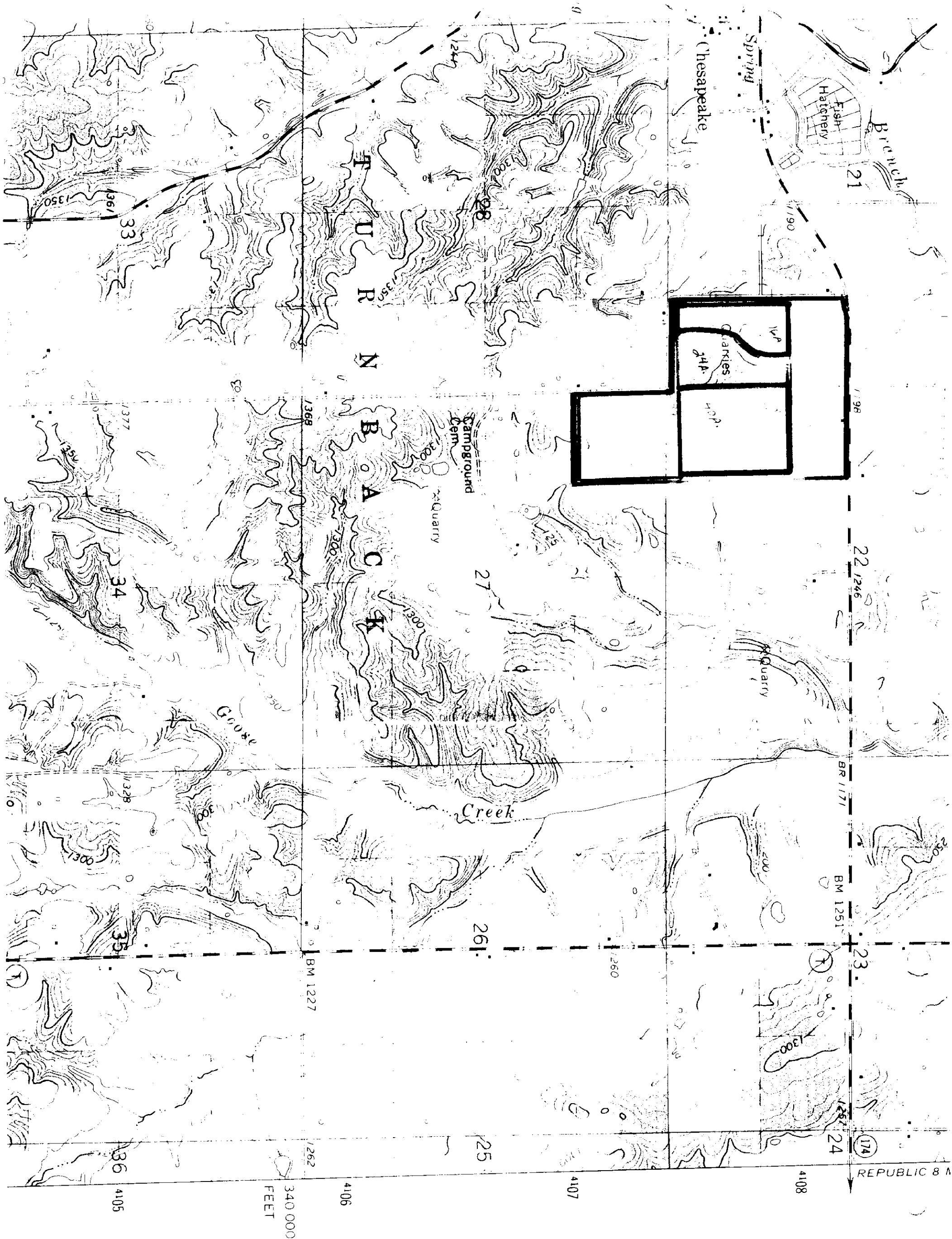
COUNTY + MISSOURI LAND RECLAMATION COMMISSION

BAILEY QUARRIES
ARROW

Chesapeake

Lawrence Co.

CHRISTIANITY
TO BILLINGS
1" = 2 miles



BAILEY QUARRIES, INC.
DAVID E. BAILEY - PRES.
DATE 01-15-99

SECTIONS 21 - 22 - 27
TOWNSHIP 28
RANGE 25

OWNERSHIP BOUNDARIES--BAILEY QUARRIES
MINE PLAN AREA - 300 A + 55A assumed
CURRENT PERMIT AREA-40A + 16A assumed
NEW ACRES APPLIED FOR - 24

North

Scale
1" = 1257'



MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION
SITE INFORMATION FORM

To be completed for each separate area of disturbance associated with mining operations.

SITE NAME OR NUMBER JANE, MO		PERMIT NUMBER 423	
COMPANY NAME BAILEY QUARRIES, INC.			
COUNTY McDONALD	1/4 SECTION	SECTION 16	
TOWNSHIP 21 N	RANGE 31 W	ACRES 9 — 100 7/8	
RIVER OR STREAM NAME (FOR IN-STREAM ACRES) N/A			
MINERAL COMMODITY LIMESTONE		ESTIMATED TONS/YEAR (FOR GRAVEL SITES) N/A	

NAME OF LANDOWNER (ATTACH LIST IF MORE THAN ONE) GOSWICKS (MULTIPLE - SEE ATTACHED LIST)		
ADDRESS		
CITY	STATE	ZIP CODE
SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE): _____		DATE OF AGREEMENT JANUARY 16, 1991
<input checked="" type="checkbox"/> LEASE <input type="checkbox"/> VERBAL AGREEMENT		

RECEIVED
MAY 04 1992
MISSOURI LAND
RECLAMATION COMMISSION

MINERAL RIGHTS OWNER (ATTACH LIST IF MORE THAN ONE) SAME AS ABOVE - (SEE ATTACHED LIST OF LANDOWNERS)		
ADDRESS		
CITY	STATE	ZIP CODE
SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE): _____		DATE OF AGREEMENT JANUARY 16, 1991
<input checked="" type="checkbox"/> LEASE <input type="checkbox"/> VERBAL AGREEMENT		

NOTE: Each site must be shown on a map and be included in a public notice and an approved mine plan.



MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION
MINE PLAN

P.O. BOX 176
JEFFERSON CITY, MO 65102

TYPE OF PLAN (CHECK ONE):

☐ SHORT TERM, FOR ONE PERMIT YEAR

☒ LONG TERM, FOR PERIOD THROUGH DATE: MAY 2002

DESCRIPTION OF SITE PRIOR TO LAND RECLAMATION COMMISSION PERMITTING (BY APPLICANT OR PRIOR OPERATOR), INCLUDING SOIL, VEGETATION AND TOPOGRAPHY.

AN AREA OF APPROXIMATELY 100 ACRES. MUCH OF MINE AREA LIES IN AREAS WHICH ARE STEEPLY SLOPED AND HEAVILY WOODED. TOPSOIL IS VERY THIN AND ROCKY.

OPERATION PLAN - 10 CSR 40-10.020(2)(D)1.

A. TOPSOIL

AVERAGE DEPTH OF TOPSOIL, PRIOR TO LAND RECLAMATION COMMISSION PERMITTING

1 INCHES

IS TOPSOIL TO BE SOLD OR DISCARDED OFFSITE?

☐ YES OR ☒ NO

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL REMOVAL

AFTER TREES ARE CLEARED BY DOZERS, THE TOPSOIL WILL BE PUSHED TO STORAGE PILES ADJACENT TO AREAS TO BE QUARRIED.

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL STORAGE AND PROTECTION

TOPSOIL REMOVAL WILL BE DONE WITH A DOZER AND WILL BE PLACED IN STORAGE PILES NEAR THE PIT AREA WITH EITHER THE DOZER OR END-LOADER AND TRUCKS. PILES WILL BE SEEDED WITH GRASS TO RESIST EROSION.

B. SPOIL

DESCRIBE METHODS AND LOCATION OF SPOIL PLACEMENT AND DISPOSAL

SPOIL WILL BE REMOVED FROM AREAS TO BE MINED AND PLACED IN AREAS WHICH ARE NOT TO BE MINED.

C. ACID MATERIALS

DESCRIBE METHODS AND EQUIPMENT USED FOR HANDLING ACID MATERIALS (IF NONE IS ANTICIPATED, WRITE "NONE" BELOW)

NONE

D. PIT INFORMATION (GIVE ALL DIMENSIONS IN FEET)

DESCRIBE LOCATION AND ORIENTATION OF PIT, IF NOT CLEAR ON SITE MAPS

REFER TO MAP.

YES NO

☐ ☒ Will any excavation be at or within fifty feet (50') of the right-of-way of any public road?

☐ ☒ Will any highwall consisting of unconsolidated materials be left within fifty feet of the right-of-way of any public road? (NOTE: For unconsolidated materials left in place, a slope of no more than forty degrees may start near the right of way, and in no case may the excavation be closer to the right of way than fifty feet or twenty-five feet plus one and one-half (1-½) times the depth of unconsolidated material, whichever is greater, unless a variance is granted by the Commission.)

☐ ☒ Will any excavation start at or within fifty feet (50') of any property line?
(NOTE: If the answer is "yes", a safety barrier may be needed.)

REVEGETATION (Attach additional sheets, if needed)

REVEGETATION MIX #1 PLAN 1	PURPOSE OR LAND USE POULTRY PRODUCTION SITE	B. SEEDING OR PLANTING TIME SPRING - (MAR 15-MAY 15)
--------------------------------------	---	--

DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

DURING THE FIRST SPRING FOLLOWING TOPSOIL REPLACEMENT THE SEED WILL BE BROADCAST. RE-SEEDING WILL BE DONE AS NEEDED TO ACHIEVE GRASS COVER SUFFICIENT TO CONTROL EROSION AND TO SUPPORT PASTURE. THE EQUIPMENT TO BE USED FOR SEEDING WILL BE A FARM TRACTOR WITH A SEEDING ATTACHMENT, AND INCORPORATION INTO THE SOIL WILL BE DONE WITH A DISC OR HARROW.

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE
KENTUCKY 31 FESCUE	25# PER ACRE		

REVEGETATION MIX #2	PURPOSE OR LAND USE	B. SEEDING OR PLANTING TIME
---------------------	---------------------	-----------------------------

DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE

ATTACH ADDITIONAL SHEETS FOR ADDITIONAL SEED MIXES.

Final Grading

B. GRADING

DESCRIBE PROPOSED RECLAIMED TOPOGRAPHY, INCLUDING SLOPES

ALL SPOIL AREAS WILL BE GRADED TO SLOPES TRAVERSABLE BY FARM MACHINERY. AREA QUARRIED OUT TO BE CLEARED OF LARGE ROCK AND DEBRIS AND MADE READY FOR POULTRY PRODUCTION SITE.

C. DESCRIBE THE GENERAL SEQUENCE AND TIMING OF THE FOLLOWING ACTIVITIES

GRADING

SOIL IS VERY THIN AND IN SOME AREAS IS NOT PRESENT. HOWEVER, AS WE ENCOUNTER SOME SOIL IT WILL BE PLACED IN STORAGE TO BE GRADED OUT AS QUARRYING IS CONCLUDED AND THEN WILL BE SEEDED WITH GRASS.

REPLACEMENT OF TOPSOIL

TOPSOIL, IF ENCOUNTERED, WILL BE GRADED OUT OVER AREAS VOID OF TOPSOIL AND SEEDED.

REVEGETATION

ALL TOP-SOILED AREAS WILL BE SEEDED DURING THE FIRST SPRING FOLLOWING TOP-SOIL REPLACEMENT.

AVERAGE DEPTH OF REPLACED TOPSOIL (INCHES)

D. USE OF LAND WHEN RECLAIMED

Estimate acreage of each land use below, after reclamation

ESTIMATED ACRES:

Wildlife (forest or other habitat with livestock excluded)

Agricultural (pasture, cropland, and horticultural)

Development (residential, industrial, and recreational)

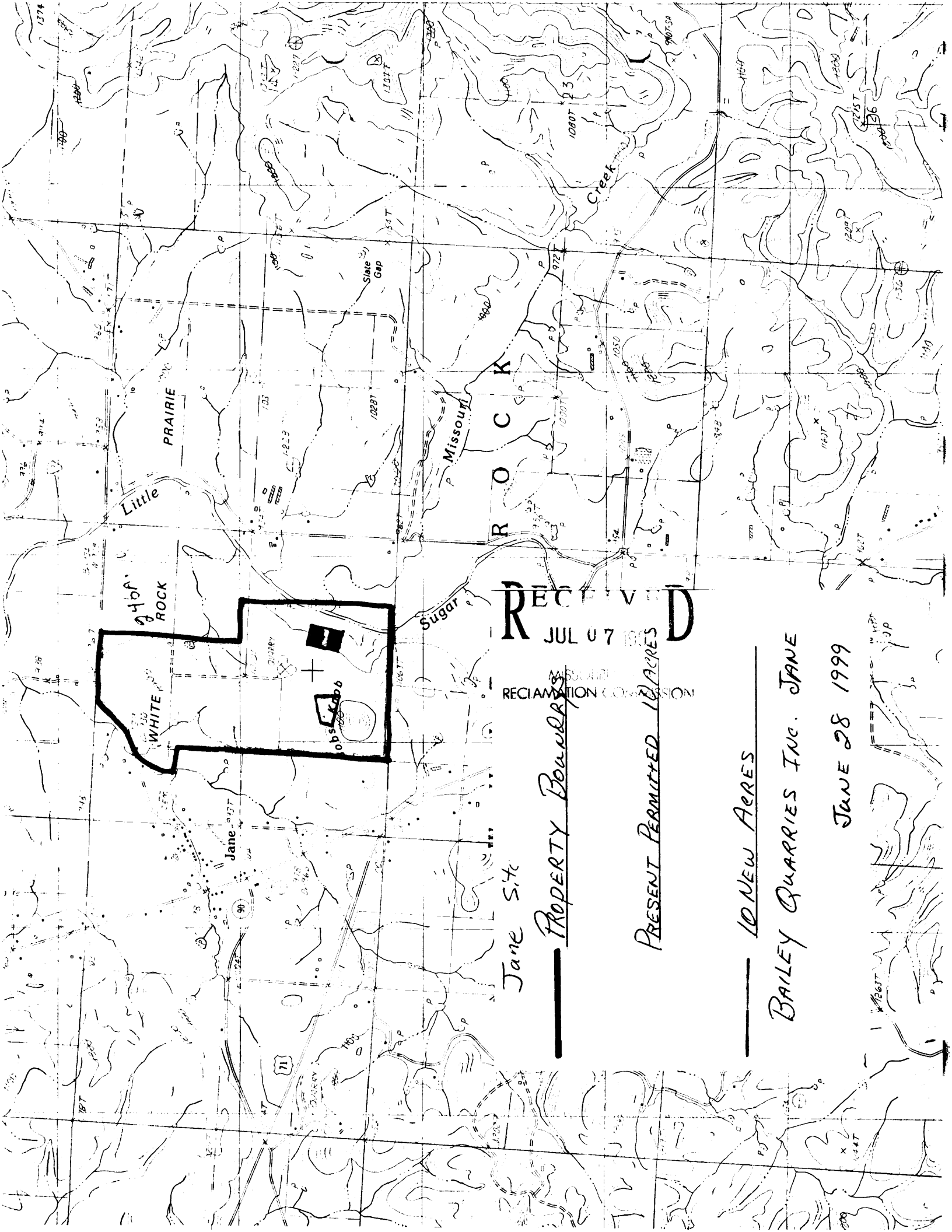
100 ~~34~~ ~~28~~ DEP

Water impoundments (for wildlife, agricultural, or development)

By my signature, I attest to the following:

1. All statements made on this Mine Plan Form are correct, complete, and true, to the best of my knowledge.
2. I or the company I am authorized to represent intend(s) to mine in accordance with this Mine Plan Form, and in accordance with the Missouri Land Reclamation Act, Sections 444.760 through 444.789, RSMo (Supp. 1990), and all rules, regulations, orders, decisions and permits of the Missouri Land Reclamation Commission pertaining to my company's surface mining operations.
3. I have obtained the approval of all landowner's for all proposed post-reclamation land uses.
4. I have a valid agreement with all landowners which gives me the right to grant access to the Director of the Missouri Land Reclamation Commission and his authorized representatives, and I grant such access, and further where I have no such right, I have attached signed affidavits from the landowners, granting such access.

SIGNATURE OF APPLICANT <i>David E. Riley</i>		TITLE <i>Pres.</i>	DATE <i>Apr. 24, 1992</i>
NOTARY PUBLIC EMBOSSEER SEAL	STATE <i>Missouri</i>	COUNTY (OR CITY OF ST. LOUIS) <i>GREENE</i>	
	SUBSCRIBED AND SWORN BEFORE ME, THIS <i>24th</i> DAY OF <i>April</i> 19 <i>92</i>		USE RUBBER STAMP IN CLEAR AREA BELOW MICHAEL L. SCHATZ Notary Public Greene County State of Missouri My Commission Expires Aug. 7, 1993
	NOTARY PUBLIC SIGNATURE <i>Michael L. Schatz</i>	MY COMMISSION EXPIRES <i>8-7-92</i>	
	NOTARY PUBLIC NAME (TYPED OR PRINTED) <i>Michael L. Schatz</i>		
APPROVED BY (DIRECTOR'S REPRESENTATIVE) <i>Mark H. Kypur</i>		DATE APPROVED <i>6-11-92</i>	PERMIT NUMBER <i>423</i>



RECEIVED
JUL 07 1999

RECLAMATION COMMISSION

PROPERTY BOUNDARIES

PRESENT PERMITTED 10 ACRES

10 NEW ACRES

BAILEY QUARRIES INC. JANE

JUNE 28 1999

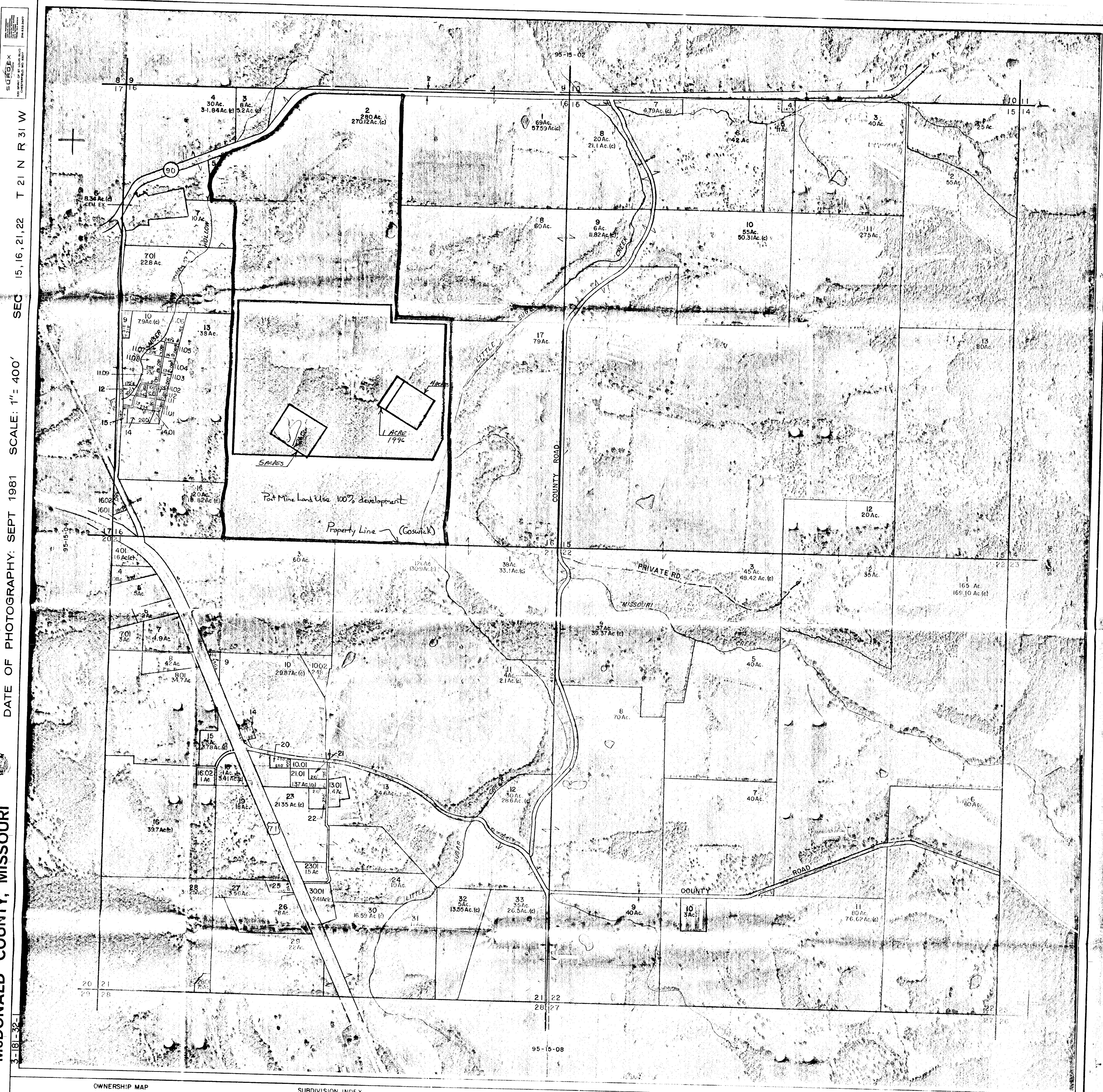
JANE SITE

McDONALD COUNTY, MISSOURI

74

Y QUARRIES INC
E QUARRY
RES TOTAL PERMIT
E PLAN 100 ACRES

R. 23 1996



OWNERSHIP MAP
MCDONALD COUNTY, MISSOURI
PREPARED UNDER THE DIRECTION OF
STATE TAX COMMISSION OF MISSOURI
AND
MCDONALD COUNTY TAX ASSESSOR
PREPARED BY
RENNER-PHILLIPS ENGINEERS & SURVEYORS
2200 E. SUNSHINE, SPRINGFIELD, MO 65804


DATE		BY	REVISIONS
1-19-85	M SEARS		CHANGES OR ADDITIONS
			ADD 1602, DELETE 1601, 17
3-10-86	PG		ADDED SUB-DIVISION

THIS PROPERTY OWNERSHIP MAP IS FOR
TAX PURPOSES ONLY. IT IS NOT
INTENDED FOR CONVEYANCES.

LE GENO.

STATE LINE	----	AREA (FROM DEED)
COUNTY LINE	----	AREA (CALCULATED)
CORPORATION LINE	----	DIMENSION (FROM DEED)
DISTRICT LINE	----	DIMENSION (CALCULATED)
R/W LINES	----	SUBDIVISION LOT NUMBER
SECTION LINE	----	PARCEL NUMBER
PROPERTY LINE	----	WATER
ORIGINAL LOT LINE	----	INTERSTATE HIGHWAY
LAND HOOK	1	U.S. HIGHWAY
ORIGINAL BLOCK NO.	(2)	STATE HIGHWAY
ORIGINAL BLK LIMIT	213	COUNTY HIGHWAY
MAP BLOCK NO.	"003"	ROADS, STREETS, CHURCHES, ETC.
MAP BLOCK LIMIT (WHERE APPLICABLE)	"003"	SECTION CORNERS
	"004"	

LEGEND

10 5 Ac
10 5 Ac (c)
16.5
66' (s) T2
23 T2
45
T2
T2

BY NAME
2 | 1
11 | 12

TOWNSHIP LOCATOR

R34W R33W	R32W	R31W	R30W	R29W
06 05	04	03	02	01
07 08	09	10	11	12
18 17	16	15	14	13

(MCDONALD COUNTY)

MAR SHEET INDEX

1/4 SECTION INDEX

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APR 29 1996
MISSOURI LAND
RECLAMATION COMMISSION

SEC. 15,16,21,22 TWP. 21 RNG. 31

MAP NO. 95-15-05

SCALE 1" = 4 mi
DATE OF MAP 9/83
DATE OF PHOTOGRAPHY 9/81
AERIAL PHOTO NO. 3/181/32/





MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION
SITE INFORMATION FORM

AMENDED MAY 2, 1994

RECEIVED

To be completed for each separate area of disturbance associated with mining operations.

SITE NAME OR NUMBER STOCKTON, MO		PERMIT NUMBER 423		MAY 05 1994 MISSOURI LAND RECLAMATION COMMISSION	
COMPANY NAME BAILEY QUARRIES, INC.					
COUNTY CEDAR	1/4 SECTION		SECTION 25		
TOWNSHIP 34	RANGE 27		ACRES 25 <i>25 DEC</i>		
RIVER OR STREAM NAME (FOR IN-STREAM ACRES) N/A					
MINERAL COMMODITY LIMESTONE			ESTIMATED TONS/YEAR (FOR GRAVEL SITES) N/A		

NAME OF LANDOWNER (ATTACH LIST IF MORE THAN ONE) W.K. AND JEAN WEST		
ADDRESS RT. # 4 - BOX # 30		
CITY STOCKTON	STATE MO	ZIP CODE 65785
SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE): _____ <input checked="" type="checkbox"/> LEASE <input type="checkbox"/> VERBAL AGREEMENT		DATE OF AGREEMENT DEC. 11, 1990

MINERAL RIGHTS OWNER (ATTACH LIST IF MORE THAN ONE) W.K. AND JEAN WEST		
ADDRESS RT. # 4 - BOX # 30		
CITY STOCKTON	STATE MO	ZIP CODE 65785
SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE): _____ <input checked="" type="checkbox"/> LEASE <input type="checkbox"/> VERBAL AGREEMENT		DATE OF AGREEMENT DEC. 11, 1990
NOTE: Each site must be shown on a map and be included in a public notice and an approved mine plan.		



MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION
MINE PLAN

P.O. BOX 176
JEFFERSON CITY, MO 65102

TYPE OF PLAN (CHECK ONE):

☐ SHORT TERM, FOR ONE PERMIT YEAR

☒ LONG TERM, FOR PERIOD THROUGH DATE: MAY 2002

DESCRIPTION OF SITE PRIOR TO LAND RECLAMATION COMMISSION PERMITTING (BY APPLICANT OR PRIOR OPERATOR), INCLUDING SOIL, VEGETATION AND TOPOGRAPHY.

Plan covers an area of approximately 25 acres. Topography is rolling with steep slopes, grassy, open with no wooded area. Topsoil is thin and rocky.

OPERATION PLAN - 10 CSR 40-10.020(2)(D)1.

A. TOPSOIL

AVERAGE DEPTH OF TOPSOIL, PRIOR TO LAND RECLAMATION COMMISSION PERMITTING

2

INCHES

IS TOPSOIL TO BE SOLD OR DISCARDED OFFSITE?

☐ YES OR ☒ NO

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL REMOVAL

Removal of overburden to be accomplished by dozer. Topsoil will be pushed to the storage pile and, if present, subsoil will be placed in storage sites to be used in the final grading -after the quarrying operations have been completed in specific areas.

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL STORAGE AND PROTECTION

Topsoil removal will be done with a dozer and will be placed in storage piles near the pit area with either the dozer or end-loader and trucks. Piles will be seeded with grass to resist erosion.

B. SPOIL

DESCRIBE METHODS AND LOCATION OF SPOIL PLACEMENT AND DISPOSAL

All overburden removed from quarry area will be placed in low area or mined-out area and will be graded to a rolling topography.

C. ACID MATERIALS

DESCRIBE METHODS AND EQUIPMENT USED FOR HANDLING ACID MATERIALS (IF NONE IS ANTICIPATED, WRITE "NONE" BELOW)

NONE

D. PIT INFORMATION (GIVE ALL DIMENSIONS IN FEET)

DESCRIBE LOCATION AND ORIENTATION OF PIT, IF NOT CLEAR ON SITE MAPS

REFER TO MAP.

YES NO

☐ ☒ Will any excavation be at or within fifty feet (50') of the right-of-way of any public road?

☐ ☒ Will any highwall consisting of unconsolidated materials be left within fifty feet of the right-of-way of any public road? (NOTE: For unconsolidated materials left in place, a slope of no more than forty degrees may start near the right of way, and in no case may the excavation be closer to the right of way than fifty feet or twenty-five feet plus one and one-half (1-½) times the depth of unconsolidated material, whichever is greater, unless a variance is granted by the Commission.)

☐ ☒ Will any excavation start at or within fifty feet (50') of any property line?
(NOTE: If the answer is "yes", a safety barrier may be needed.)

REVEGETATION (Attach additional sheets, if needed)

VEGETATION MIX #1

#1

PURPOSE OR LAND USE

PASTURE

B. SEEDING OR PLANTING TIME

SPRING - (MAR 15-MAY15)

DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

DURING THE FIRST SPRING FOLLOWING TOPSOIL REPLACEMENT, THE SEED MIX WILL BE BROADCAST. RE-SEEDING WILL BE DONE AS NEEDED TO ACHIEVE GRASS COVER SUFFICIENT TO CONTROL EROSION AND TO SUPPORT PASTURE. THE EQUIPMENT TO BE USED FOR SEEDING WILL BE A FARM TRACTOR WITH A SEEDING ATTACHMENT, AND INCORPORATION INTO THE SOIL WILL BE DONE WITH A DISC OR HARROW.

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE
KENTUCKY 31 FESCUE	25# PER ACRE		

REVEGETATION MIX #2

N/A

PURPOSE OR LAND USE

B. SEEDING OR PLANTING TIME

DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE

ATTACH ADDITIONAL SHEETS FOR ADDITIONAL SEED MIXES.

Shiloh Quarry
B. GRADING

DESCRIBE PROPOSED RECLAIMED TOPOGRAPHY, INCLUDING SLOPES

ALL SPOIL AREAS WILL BE GRADED TO SLOPES TRAVERSABLE BY FARM MACHINERY. FINAL PIT AREA TO BE A LAKE.

C. DESCRIBE THE GENERAL SEQUENCE AND TIMING OF THE FOLLOWING ACTIVITIES

GRADING

GRADING WILL BE DONE AS PIT ADVANCES AND WHEN WE HAVE COMPLETED PLACING SPOIL IN CERTAIN LOW AREAS AND MINED-OUT AREAS. FINAL GRADING TO BE COMPLETED WITHIN 12 MONTHS AFTER QUARRYING. FINAL ACTIVITIES ARE COMPLETED IN CLOSE PROXIMITY TO RECLAMATION.

REPLACEMENT OF TOPSOIL

TOPSOIL WILL BE SPREAD UPON SPOIL AREA AFTER SPOIL HAS BEEN GRADED TO ROLLING TOPOGRAPHY.

REVEGETATION

ALL TOP-SOILED AREAS WILL BE SEEDED DURING THE FIRST SPRING FOLLOWING TOP-SOIL REPLACEMENT WITH ALL SEEDING AND PLANTING TO BE COMPLETED WITHIN 24 MONTHS AFTER QUARRYING ACTIVITIES ARE COMPLETED.

AVERAGE DEPTH OF REPLACED TOPSOIL (INCHES)

D. USE OF LAND WHEN RECLAIMED

Estimate acreage of each land use below, after reclamation

ESTIMATED ACRES:

Wildlife (forest or other habitat with livestock excluded)

Agricultural (pasture, cropland, and horticultural)

Development (residential, industrial, and recreational)

Water impoundments (for wildlife, agricultural, or development)

47 DEC
2 10
3 15

By my signature, I attest to the following:

1. All statements made on this Mine Plan Form are correct, complete, and true, to the best of my knowledge.
2. I or the company I am authorized to represent intend(s) to mine in accordance with this Mine Plan Form, and in accordance with the Missouri Land Reclamation Act, Sections 444.760 through 444.789, RSMo (Supp. 1990), and all rules, regulations, orders, decisions and permits of the Missouri Land Reclamation Commission pertaining to my company's surface mining operations.
3. I have obtained the approval of all landowner's for all proposed post-reclamation land uses.
4. I have a valid agreement with all landowners which gives me the right to grant access to the Director of the Missouri Land Reclamation Commission and his authorized representatives, and I grant such access, and further where I have no such right, I have attached signed affidavits from the landowners, granting such access.

SIGNATURE OF APPLICANT <i>David E. Bailey</i>		TITLE <i>Pres.</i>	DATE <i>Apr. 24, 1992</i>
NOTARY PUBLIC EMBOSSEER SEAL	STATE <i>Missouri</i>	COUNTY (OR CITY OF ST. LOUIS) <i>GREENE</i>	
	SUBSCRIBED AND SWORN BEFORE ME, THIS <i>24th</i> DAY OF <i>April</i> 19 <i>92</i>		USE RUBBER STAMP IN CLEAR AREA BELOW MICHAEL L. SCHATZ Notary Public Greene County State of Missouri My Commission Expires Aug. 7, 1992
	NOTARY PUBLIC SIGNATURE <i>[Signature]</i>	MY COMMISSION EXPIRES <i>8-7-92</i>	
	NOTARY PUBLIC NAME (TYPED OR PRINTED) <i>Michael L. Schatz</i>		
APPROVED BY (DIRECTOR'S REPRESENTATIVE) <i>[Signature]</i>		DATE APPROVED <i>6-11-92</i>	PERMIT NUMBER <i>423</i>

RECEIVED RECEIVED RECEIVED

FEB 19 2004

JAN 8 2004

FEB 4 2004



MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION
SITE INFORMATION

MISSOURI LAND RECLAMATION COMMISSION
MISSOURI LAND RECLAMATION COMMISSION
MISSOURI LAND RECLAMATION COMMISSION
MISSOURI LAND RECLAMATION COMMISSION
JEFFERSON CITY, MO 65102-0176

Complete this form for each separate area of disturbance associated with mining operations.

SITE NAME OR NUMBER Stockton, Missouri		PERMIT NUMBER 423
COMPANY Bailey Quarries, Inc		
COUNTY Cedar	1/4 SECTION North East	SECTION 26
TOWNSHIP 34N	RANGE 27W	ACRES 25
RIVER OR STREAM NAME (FOR IN-STREAM ACRES)		
MINERAL COMMODITY Limestone		ESTIMATED TONS/YEAR (GRAVEL SITES)

NAME OF LANDOWNER (ATTACH LIST IF MORE THAN ONE) W.K. and Jean West		
ADDRESS Rt #4 Box #30		
CITY Stockton	STATE MO	ZIP CODE 65785
SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input type="checkbox"/> WARRANTY DEED <input checked="" type="checkbox"/> LEASE <input type="checkbox"/> VERBAL <input type="checkbox"/> OTHER (DESCRIBE):		DATE OF AGREEMENT Sept 2003

MINERAL RIGHTS OWNER (ATTACH LIST IF MORE THAN ONE) W.K. and Jean West		
ADDRESS Rt #4, Box #30		
CITY Stockton	STATE MO	ZIP CODE 65785
SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input type="checkbox"/> WARRANTY DEED <input checked="" type="checkbox"/> LEASE <input type="checkbox"/> VERBAL <input type="checkbox"/> OTHER (DESCRIBE):		DATE OF AGREEMENT Sept 2003
<p>NOTE: Each site must be shown on a map and be included in a public notice and an approved mine plan.</p>		

RECEIVED RECEIVED RECEIVED

FEB 19 2004

JAN 8 2004

FEB 4 2004



MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION
MINE PLAN

MISSOURI LAND
RECLAMATION COMMISSION

MISSOURI LAND
RECLAMATION COMMISSION

MISSOURI LAND
RECLAMATION COMMISSION
JEFFERSON CITY, MO 65102-1176

COMPANY NAME

Bailey Quarries, Inc

TYPE OF PLAN (CHECK ONE):

☐ SHORT TERM, FOR ONE PERMIT YEAR☒ LONG TERM, FOR PERIOD THROUGH DATE: Sept 2100

DESCRIPTION OF SITE PRIOR TO LAND RECLAMATION COMMISSION PERMITTING (BY APPLICANT OR PRIOR OPERATOR), INCLUDING SOIL, VEGETATION AND TOPOGRAPHY.

Plan covers an area of approximately 25 acres. Topography is rolling with steep slopes, grassy, open. Topsoil is thin and rocky.

OPERATION PLAN - 10 CSR 40-10.020(2)(D)1.

A. TOPSOIL

AVERAGE DEPTH OF TOPSOIL, PRIOR TO LAND RECLAMATION COMMISSION PERMITTING

2 INCHES

IS TOPSOIL TO BE SOLD OR DISCARDED OFFSITE?

☐ YES OR ☒ NO

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL REMOVAL

Removal of overburden to be accomplished by dozer. Topsoil will be pushed to the storage pile if present. Subsoil will be placed in storage sites to be used in the final grading - after the quarrying operations have been completed in specific areas.

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL STORAGE AND PROTECTION

Topsoil removal will be done with a dozer and will be placed in storage piles near the pit area with either the dozer or end-loader and trucks. Piles will be seeded with grass to resist erosion.

PERMIT NO.

423

SITE NUMBER/NAME

Stockton 0484

RECEIVED

RECEIVED

RECEIVED

FEB 19 2004

JAN 8 2004

FEB 4 2004

B. SPOIL

DESCRIBE METHODS AND LOCATION OF SPOIL PLACEMENT AND DISPOSAL

MISSOURI LAND
RECLAMATION COMMISSIONMISSOURI LAND
RECLAMATION COMMISSIONMISSOURI LAND
RECLAMATION COMMISSION

All overburden removed from quarry area will be placed along the perimeter of the pit.

C. ACID MATERIALS

DESCRIBE METHODS AND EQUIPMENT USED FOR HANDLING ACID MATERIALS (IF NONE IS ANTICIPATED, WRITE "NONE" BELOW)

NONE

D. PIT INFORMATION (GIVE ALL DIMENSIONS IN FEET)

DESCRIBE LOCATION AND ORIENTATION OF PIT, IF NOT CLEAR ON SITE MAPS

The first pit area will be located in the South Western portion of the permitted area. From that point the pit will advance to the North and East.

YES NO

- ☐ ☒ Will any excavation be at or within fifty feet (50') of the right-of-way of any public road?
- ☐ ☒ Will any highwall consisting of unconsolidated materials be left within fifty feet of the right-of-way of any public road?
(NOTE: For unconsolidated materials left in place, a slope of no more than forty degrees may start near the right-of-way, and in no case may the excavation be closer to the right-of-way than fifty feet or twenty-five feet plus one and one-half (1½) times the depth of unconsolidated material, whichever is greater, unless a variance is granted by the Commission.)
- ☒ ☐ Will any excavation start at or within fifty feet (50') of any property line?
(NOTE: If the answer is "YES", a safety barrier may be needed.)

PERMIT NO.

423

SITE NUMBER/NAME

Stockton 0484

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RECEIVED

FEB 19 2004

FEB 4 2004

JAN 8 2004

RECLAMATION PLAN - 10 CSR 40-10.020(2)(D)2.

MISSOURI LAND

A. REVEGETATION (Attach additional sheets, if needed) MISSOURI LAND MISSOURI LAND RECLAMATION COMMISS

REVEGETATION MIX #1

PURPOSE OR LAND USE

RECLAMATION COMMISSION

RECLAMATION COMMISSION

SEEDING OR PLANTING TIME

1

Pasture and lake

Spring April 15

DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

During the first spring following topsoil replacement, the seed mix will be broadcast. Re-seeding will be done as needed to achieve grass cover sufficient to control erosion and to support pasture. The equipment to be used for seeding will be a farm tractor with a seeding attachment, and incorporation into the soil will be done with a disc or harrow.

Lime and fertilizer will be applied according to recommendations based upon soil test analyses from a qualified soils lab. Mulch will be applied to all slopes exceeding 5:1.

SEEDING SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE
Kentucky 31 Fescue Orchard Grass	50#/acre 20#/acre	N/A	

REVEGETATION MIX #2

PURPOSE OR LAND USE

B. SEEDING OR PLANTING TIME

N/A

DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

Lime and fertilizer will be applied according to recommendations based upon soil test analyses from a qualified soils lab. Mulch will be applied to all slopes exceeding 5:1.

SEEDING SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE

ATTACH ADDITIONAL SHEETS FOR ADDITIONAL SEED MIXES.

PERMIT NO.

423

SITE NUMBER/NAME

Stockton 0484

RECEIVED RECEIVED RECEIVED

FEB 19 2004

FEB 4 2004

JAN 8 2004

B. GRADING

DESCRIBE PROPOSED RECLAIMED TOPOGRAPHY, INCLUDING SLOPES

MISSOURI LAND RECLAMATION COMMISSION

All spoil areas will be graded to slopes traversable by farm machinery. Final pit area to be a lake.

C. DESCRIBE THE GENERAL SEQUENCE AND TIMING OF THE FOLLOWING ACTIVITIES

GRADING

Grading will be done as pit advances and when we have completed placing spoil in certain low areas and mined-out areas. Final grading to be completed within 12 months after quarrying activities are completed in close proximity to reclamation.

REPLACEMENT OF TOPSOIL

Topsoil will be spread upon spoil area after spoil has been graded to rolling topography.

REVEGETATION

All top-soiled areas will be seeded during the first spring following top-soil replacement with all seeding and planting to be completed within 24 months after quarrying activities are completed

AVERAGE DEPTH OF REPLACED TOPSOIL (INCHES)

12"

D. USE OF LAND WHEN RECLAIMED

Estimate acreage of each land use below, after reclamation

ESTIMATED ACRES:

Wildlife (forest or other habitat with livestock excluded)

Agricultural (pasture, cropland, and horticultural)

5

Development (residential, industrial, and recreational)

Water impoundments (for wildlife, agriculture, or development)

20

PERMIT NO.

423

SITE NUMBER/NAME

Stockton 0484

RECEIVED RECEIVED

RECEIVED

JAN 8 2004

FEB 19 2004

FEB 4 2004

MISSOURI LAND
RECLAMATION COMMISSION

By my signature, I attest to the following:

MISSOURI LAND RECLAMATION COMMISSION

MISSOURI LAND RECLAMATION COMMISSION

1. All statements made on this Mine Plan Form are correct, complete and true, to the best of my knowledge.
2. I or the company I am authorized to represent intend(s) to mine in accordance with this Mine Plan Form, and in accordance with the Missouri Land Reclamation Act, Sections 444.760 through 444.790, RSMo 2001, and all rules, regulations, orders, decisions and permits of the Missouri Land Reclamation Commission pertaining to my company's surface mining operations.
3. I have obtained the approval of all landowner's (for all lease agreements made after August 28, 1990 on leased land) for all proposed post-mining land uses.
4. I have obtained the approval of all landowner's, (for all lease agreements made after August 28, 1990 on leased land) for all proposed seed mixtures.
5. I have a valid agreement with all landowners which gives me the right to grant access to the Director of the Missouri Land Reclamation Commission and authorized representatives, and I grant such access, and further where I have no such right, I have attached signed affidavits from the landowners, granting such access.

SIGNATURE OF APPLICANT <i>David E. Bailey</i>		TITLE <i>Pres.</i>		DATE <i>1-5-04</i>	
NOTARY PUBLIC EMBOSSE NOT VALID UNLESS NOTARIZED	STATE <i>Missouri</i>		COUNTY (OR CITY OF ST. LOUIS) <i>Greene</i>		
	SUBSCRIBED AND SWORN BEFORE ME, THIS <i>5th</i> DAY OF <i>January</i> YEAR <i>2004</i>			USE RUBBER STAMP IN CLEAR AREA BELOW.	
	NOTARY PUBLIC SIGNATURE <i>Monica L. Epps</i>		MY COMMISSION EXPIRES <i>04-24-05</i>		MONICA L. EPPS NOTARY PUBLIC STATE OF MISSOURI LAWRENCE COUNTY MY COMMISSION EXPIRES APR. 24, 2005
	NOTARY PUBLIC NAME (TYPED OR PRINTED) <i>Monica L. Epps</i>				
FOR DEPARTMENT USE ONLY					
APPROVED BY <i>Michael J. Smith</i>		DATE APPROVED <i>6/1/04</i>		PERMIT NUMBER <i>0423</i>	
PERMIT NO. <i>0423</i>		SITE NUMBER/NAME			

JAN 8 2004

MISSOURI LAND
RECLAMATION COMMISSION



MAP FOR EXPANSION OF PERMIT

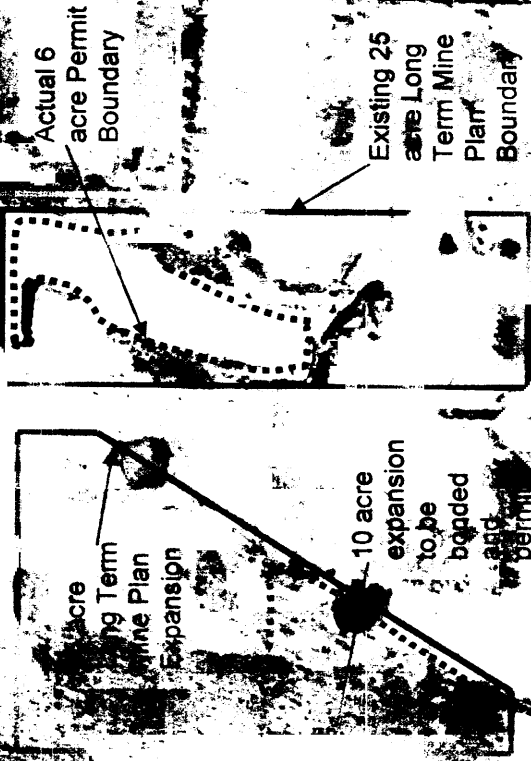
MO HWY 2

Landowner:
Helen Bozzell
12100 E Hwy Z
Stockton, MO 65785

Leadowner:
Rick O'Connor
12400 E Hwy Z
Stockton, MO 65785

Landowner:
Richard Romaine
11800 E Hwy Z
Stockton, MO 65785

Landowner:
James Rickman
Box 59
Stockton, MO 65785



Bailey Quarries, Inc.
Permit # 0423
Clar County
Stockton Quarry
S 34 N, R 27W
1/30/2004, Jeremy Bailey

Landowner, owner of surface/subsurface rights:
W.K. West & Jam West, 220 acres

RECEIVED

FEB 4 2004

MISSOURI LAND
DECLAMATION COMMISSION

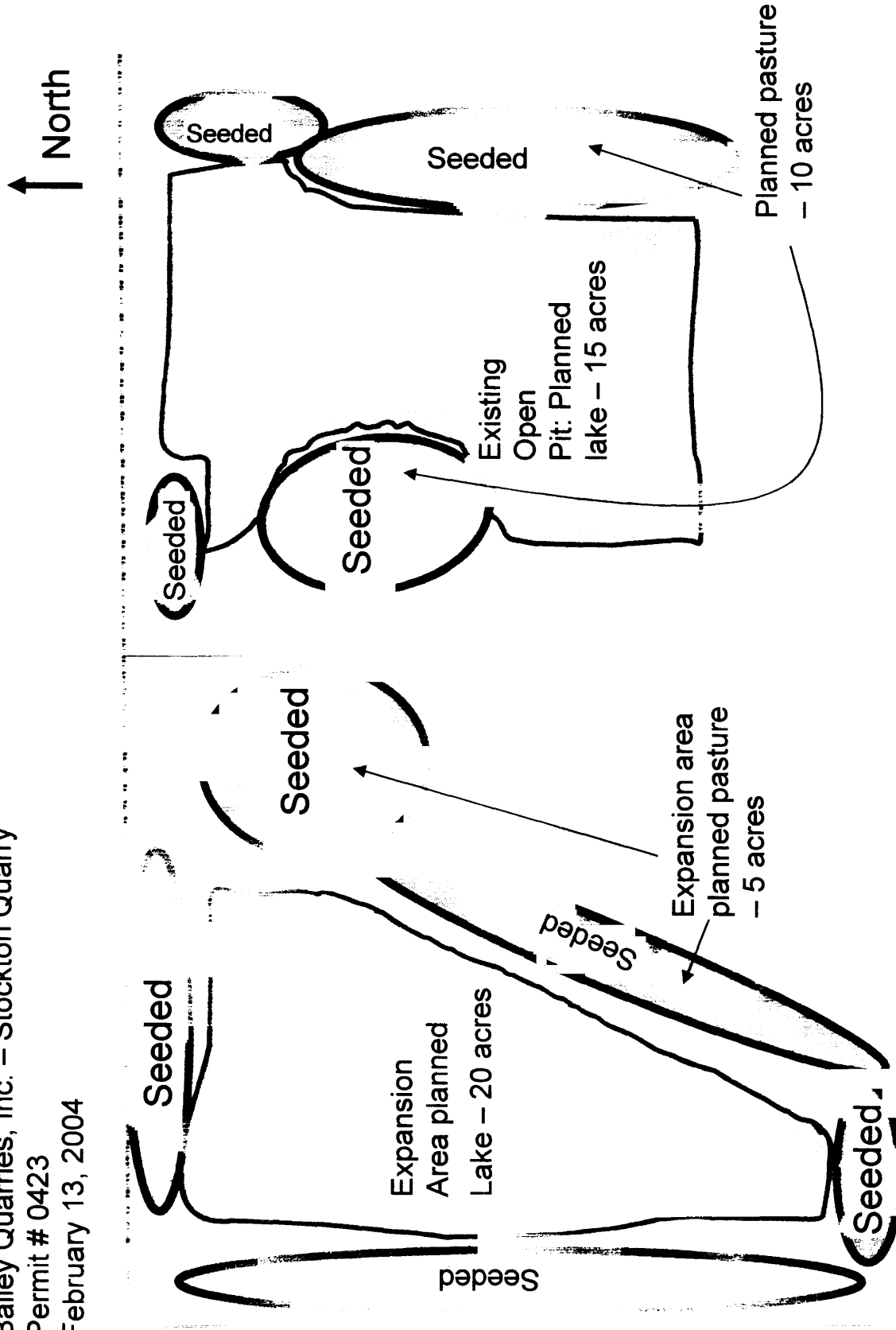
LAND RECLAMATION PERMIT EXPANSION

"POST-MINING LAND USE" DETAIL

Bailey Quarries, Inc. - Stockton Quarry

Permit # 0423

February 13, 2004



Within East 1/2 of NE 1/4 of Sec. 26, T34, R27



MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION
PERMIT TRANSFER

RECEIVED
JUN 18 1996

P.O. BOX 176
JEFFERSON CITY, MO 65102

PERMIT TRANSFER (FOR TRANSFERRING PERMITTED ACRES FROM ONE OPERATION TO ANOTHER, WITH NO CHANGES IN MINE PLAN OR ACREAGE)
MISSOURI LAND RECLAMATION COMMISSION

NAME OF CURRENT PERMIT HOLDER BAILEY QUARRIES, INC.		PERMIT NUMBER #687
SITE(S) SPENCER QUARRY		
ADDRESS P.O. BOX# 430		
CITY REPUBLIC	STATE MISSOURI	ZIP CODE 65738
CONTACT PERSON DAVID E. BAILEY		PHONE NUMBER 417-732-8286

TO BE COMPLETED BY THE CURRENT PERMIT HOLDER

List all reclamation bonds which are held on this permit

BONDING COMPANY	BOND NUMBER	BOND DATE	AMOUNT
FIDELITY & DEPOSIT CO. OF MARYLAND	#30660156		

TO BE COMPLETED BY PROPOSED SUCCESSOR

NAME OF PROPOSED SUCCESSOR BAILEY QUARRIES, INC. (Request to combine #687 with #423)		
ADDRESS P.O. BOX# 430		
CITY REPUBLIC	STATE MISSOURI	ZIP CODE 65738
CONTACT PERSON DAVID E. BAILEY		TELEPHONE NUMBER 417-732-8286

List any other Land Reclamation Commission Permits currently or previously held by successor or companies owned or partially controlled by successor.

NAME OF COMPANY	PERMIT NUMBER	MINERAL
BAILEY QUARRIES, INC.	# 423	LIMESTONE

NOTE: The successor company must provide proof of bond replacement and an affidavit of publication for the required public notice.



MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION
SITE INFORMATION FORM

RECEIVED
FEB 17 1999

To be completed for each separate area of disturbance associated with mining operations.		
SITE NAME OR NUMBER SPENCER QUARRY		PERMIT NUMBER 0423
COMPANY NAME BAILEY QUARRIES, INC.		
COUNTY LAWRENCE	1/4 SECTION S 1/2 of NE 1/4 and SE 1/4 except 20 acres	SECTION 25
TOWNSHIP 29N	RANGE 26W	ACRES 220
RIVER OR STREAM NAME (FOR IN-STREAM ACRES) n / a		
MINERAL COMMODITY LIMESTONE		ESTIMATED TONS/YEAR (FOR GRAVEL SITES) N/A

NAME OF LANDOWNER (ATTACH LIST IF MORE THAN ONE) BAILEY QUARRIES, INC.		
ADDRESS P. O. BOX 430		
CITY REPUBLIC	STATE MISSOURI	ZIP CODE 65738
SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input checked="" type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE): _____		DATE OF AGREEMENT
<input type="checkbox"/> LEASE <input type="checkbox"/> VERBAL AGREEMENT		

MINERAL RIGHTS OWNER (ATTACH LIST IF MORE THAN ONE) BAILEY QUARRIES, INC.		
ADDRESS P. O. BOX 430		
CITY REPUBLIC	STATE MISSOURI	ZIP CODE 65738
SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input checked="" type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE): _____		DATE OF AGREEMENT
<input type="checkbox"/> LEASE <input type="checkbox"/> VERBAL AGREEMENT		

NOTE: Each site must be shown on a map and be included in a public notice and an approved mine plan.



MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION
MINE PLAN

BAILEY QUARRIES, INC.
SPENCER QUARRY
6-13-95

P.O. BOX 176
JEFFERSON CITY, MO 65102

TYPE OF PLAN (CHECK ONE):

☐ SHORT TERM, FOR ONE PERMIT YEAR

☒ LONG TERM, FOR PERIOD THROUGH DATE: 7-31-2025

DESCRIPTION OF SITE PRIOR TO LAND RECLAMATION COMMISSION PERMITTING (BY APPLICANT OR PRIOR OPERATOR), INCLUDING SOIL, VEGETATION AND TOPOGRAPHY.

SPENCER QUARRY

This plan covers an area of approximately ~~155~~ acres (See Map# 2) within a 220 acre livestock farm. Most of the mine area lies in an area which is sloping to steeply sloped and is covered by woods, brush or overgrowth, with some open pasture. Topsoil is very thin and rocky on the least sloping areas and non-existent on some of the slopes where ledge rock is exposed on the surface. The plan area is bordered on the east and north by like property; on the west by an unused county roadway; and on the south by Missouri 96.

OPERATION PLAN - 10 CSR 40-10.020(2)(D)1.

A. TOPSOIL

AVERAGE DEPTH OF TOPSOIL, PRIOR TO LAND RECLAMATION COMMISSION PERMITTING

3

INCHES

IS TOPSOIL TO BE SOLD OR DISCARDED OFFSITE?

☐ YES OR ☒ NO

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL REMOVAL

After trees and overgrowth are cleared with a dozer, the topsoil will be removed by a dozer and stored for subsequent reuse. Clearing will be done first, ahead of topsoil removal. Topsoil removal will be kept at least 20 feet ahead of pit excavation.

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL STORAGE AND PROTECTION

The dozer will move the topsoil into stockpiles at the highest practical elevations within the permitted area. The stockpiles will be shaped and seeded with grass to protect from erosion.

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JUN 19 1995
MISSOURI LAND
RECLAMATION COMMISSION

6-13-95

B. SPOIL

DESCRIBE METHODS AND LOCATION OF SPOIL PLACEMENT AND DISPOSAL

Overburden removed from the pit will first be placed on unmined slopes adjacent to the pit and then in the mined-out portions of the pit and graded to traversable slopes (3:1) before topsoil is replaced.

C. ACID MATERIALS

DESCRIBE METHODS AND EQUIPMENT USED FOR HANDLING ACID MATERIALS (IF NONE IS ANTICIPATED, WRITE "NONE" BELOW)

NONE

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JUN 19 1995
MISSOURI LAND
RECLAMATION COMMISSION

PIT INFORMATION (GIVE ALL DIMENSIONS IN FEET)

DESCRIBE LOCATION AND ORIENTATION OF PIT, IF NOT CLEAR ON SITE MAPS

The first cut will be on the west side of the permit at a point approximately 200 yards south of the center of the north mine plan boundary (See Map# 2). From there the pit will advance first to the east, then northeast and southwest. As the pit nears a mine plan boundary, a protective berm will be constructed of large boulders (minimum of 3' in diameter) along the boundary line. Sufficient land is available to maintain the minimum distances specified in 10 CSR 40-10.050 Performance Requirements without variance.

YES NO

☐
☒

Will any excavation be at or within fifty feet (50') of the right-of-way of any public road?

☐
☒

Will any highwall consisting of unconsolidated materials be left within fifty feet of the right-of-way of any public road? (NOTE: For unconsolidated materials left in place, a slope of no more than forty degrees may start near the right of way, and in no case may the excavation be closer to the right of way than fifty feet or twenty-five feet plus one and one-half (1-½) times the depth of unconsolidated material, whichever is greater, unless a variance is granted by the Commission.)

☐
☒

Will any excavation start at or within fifty feet (50') of any property line? (NOTE: If the answer is "yes", a safety barrier may be needed.)

RECLAMATION PLAN - 10 CSR 40-10.020

D)2.

A. REVEGETATION (Attach additional sheets, if needed)

REVEGETATION MIX #1 #1	PURPOSE OR LAND USE PASTURE	B. SEEDING OR PLANTING TIME SPRING (MAR.15-MAY15)
---------------------------	--------------------------------	--

DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

During the first spring following topsoil replacement, the seed mix will be broadcast. Reseeding will be done as needed to achieve grass cover sufficient to control erosion and to support pasture. The equipment to be used for seeding will be a farm tractor with a seeding attachment, and incorporation into the soil will be done with a disc or harrow.

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE
FESCUE	25		
KOREAN LESPEDEZA	10		

VEGETATION MIX #2	PURPOSE OR LAND USE	B. SEEDING OR PLANTING TIME
-------------------	---------------------	-----------------------------

DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

RECEIVED
JUN 19 1995
IN SOUTHERN
RECLAMATION COMMISSION

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE

ATTACH ADDITIONAL SHEETS FOR ADDITIONAL SEED MIXES.

B. GRADING

6-13-95

DESCRIBE PROPOSED RECLAIMED TOPOGRAPHY, INCLUDING SLOPES

All spoil areas will be graded to slopes traversable by farm machinery. Highwalls consisting of consolidated materials will remain after reclamation where overburden material removed during mining is not available for use as backfill or if the backfilling of a highwall is impracticable. All boulders and any other mining debris that remains will be placed neatly in an area adjacent to highwalls. Remaining open pit floor areas will be drained to conform to the property's natural drainage.

RECEIVED
JUN 19 1995

MISSOURI LAND
RECLAMATION COMMISSION

C. DESCRIBE THE GENERAL SEQUENCE AND TIMING OF THE FOLLOWING ACTIVITIES

GRADING

Grading will be done as the pit advances and as spoil is placed in permanent disposal areas. Final grading will be completed within 12 months after quarrying activities are completed in close proximity to reclamation.

REPLACEMENT OF TOPSOIL

Topsoil will be taken from the storage stockpile and placed upon the completed graded areas to the extent that it existed prior to quarrying.

REVEGETATION

All topsoil areas will be seeded during the first optimum seeding period following topsoil replacement with all seeding and planting to be completed within 24 months after quarrying activities are completed.

AVERAGE DEPTH OF REPLACED TOPSOIL (INCHES)

3

D. USE OF LAND WHEN RECLAIMED

Estimate acreage of each land use below, after reclamation

ESTIMATED ACRES:

Wildlife (forest or other habitat with livestock excluded)

Agricultural (pasture, cropland, and horticultural)

220 ~~25~~
185

Development (residential, industrial, and recreational)

220 ~~25~~
185

Water impoundments (for wildlife, agricultural, or development)


By my signature, I attest to the following:

1. All statements made on this Mine Plan Form are correct, complete, and true, to the best of my knowledge.
2. I or the company I am authorized to represent intend(s) to mine in accordance with this Mine Plan Form, and in accordance with the Missouri Land Reclamation Act, Sections 444.760 through 444.789, RSMo (Supp. 1990), and all rules, regulations, orders, decisions and permits of the Missouri Land Reclamation Commission pertaining to my company's surface mining operations.
3. I have obtained the approval of all landowner's for all proposed post-reclamation land uses.
4. I have a valid agreement with all landowners which gives me the right to grant access to the Director of the Missouri Land Reclamation Commission and his authorized representatives, and I grant such access, and further where I have no such right, I have attached signed affidavits from the landowners, granting such access.

RECEIVED
JUN 19 1995

MISSOURI LAND
RECLAMATION COMMISSION

BAILEY QUARRIES, INC. BY:

SIGNATURE OF APPLICANT <i>David E Bailey</i>		TITLE PRESIDENT	DATE June 16, 1995
	STATE <i>Missouri</i>		COUNTY (OR CITY OF ST. LOUIS) <i>GREENE</i>
	SUBSCRIBED AND SWORN BEFORE ME, THIS <i>16th</i> DAY OF <i>JUNE</i> 19 <i>95</i>		USE RUBBER STAMP IN CLEAR AREA BELOW
	NOTARY PUBLIC SIGNATURE <i>Glenda Gann</i>	MY COMMISSION EXPIRES <i>4-3-98</i>	
	NOTARY PUBLIC NAME (TYPED OR PRINTED) GLENDA GANN		
APPROVED BY (DIRECTOR'S REPRESENTATIVE) <i>[Signature]</i>		DATE APPROVED <i>7/5/95</i>	PERMIT NUMBER <i>687</i>

M #1 - LOCATER MAP

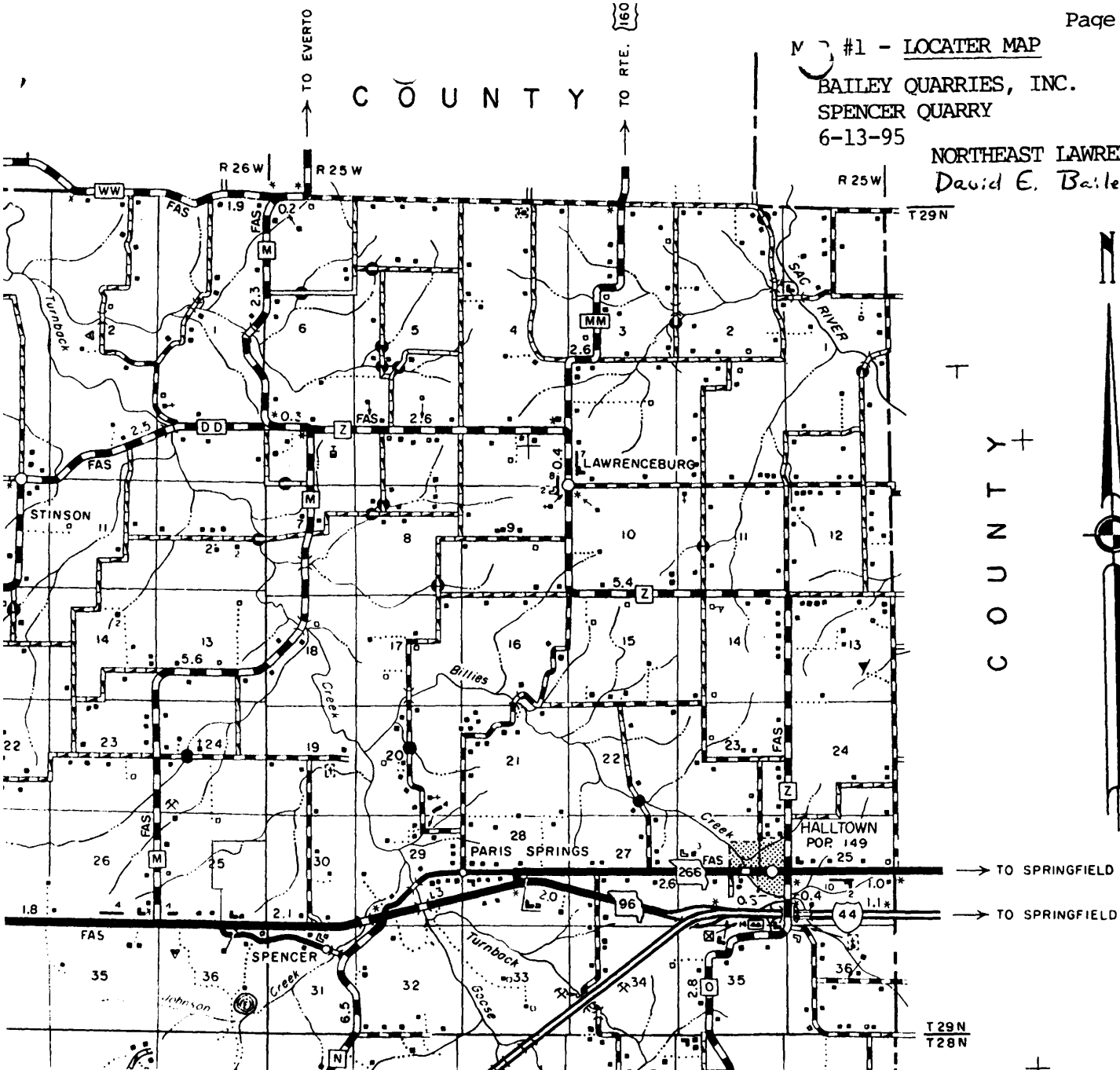
BAILEY QUARRIES, INC.

SPENCER QUARRY

6-13-95

NORTHEAST LAWRENCE COUNTY

David E. Bailey



LEGAL DESCRIPTION

The South Half of the Northeast Quarter of Section 25; and all that part of the Southeast Quarter of Section 25 which lies North of Highway No. 66, except a tract described as beginning at a point 30 feet North of the Southwest corner of the Southeast Quarter of said Section 25, thence North along the center line of a county road 1997 feet, thence East 400 feet, thence South 1649 feet, thence East 208 feet, thence South 363 feet to the North right of way line of Old U.S. Highway 66, thence Northwesterly along said right of way line 208.7 feet, thence West along right of way line 400 feet to the point of beginning; all in Township 29 North, Range 26 West of the Fifth Principal Meridian. Except those portions heretofore conveyed to the State of Missouri for highway purposes. Subject to all public and private roads and easements. Lawrence County, Missouri;

G R E E N E

RECEIVED
JUN 18 1995
RECLAMATION COMMISSION

LAWRENCE

MAP: **L4**M: **①** 2 3 4

MAP # 2 -DETAIL MAPS
BAILEY QUARRIES, INC.
SPENCER QUARRY
6-13-95 DAVID E. BAILEY

LEC... DESCRIPTION

PAGE 1 OF 2
ASCS AERIAL PHOTO
(1" = 600')

The South Half of the Northeast Quarter of Section 25;
and all that part of the Southeast Quarter of Section 25
which lies North of Highway No. 66, except a tract
described as beginning at a point 30 feet North of the
Southwest corner of the Southeast Quarter of said Section
25, thence North along the center line of a county road
1997 feet, thence East 400 feet, thence South 1649 feet,
thence East 208 feet, thence South 363 feet to the North
right of way line of Old U.S. Highway 66, thence
Northwesterly along said right of way line 208.7 feet,
thence West along right of way line 400 feet to the point
of beginning; all in Township 29 North, Range 26 West of
the Fifth Principal Meridian. Except those portions
heretofore conveyed to the State of Missouri for highway
purposes. Subject to all public and private roads and
easements. Lawrence County, Missouri;

RECEIVED
JUN 19 1995
MISSOURI LAND
RECLAMATION COMMISSION

220 Acres
Owned By
Mina Harris

6
29.7

4
12.5

5
32.8

3
3.6

2
7.8

1
19.3

56.4

12
44.2

3
42.1

8
9.4

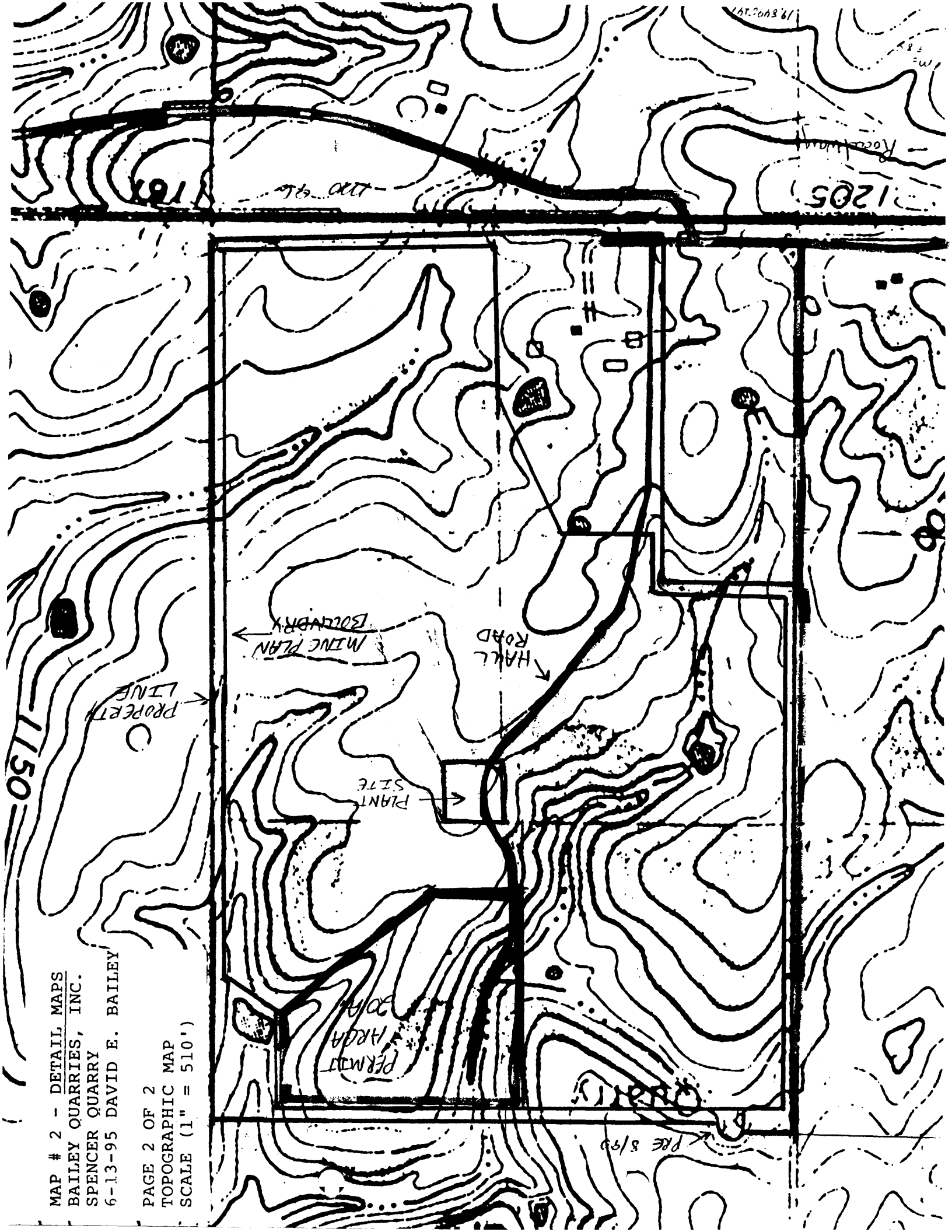
1495
T2460

4
15.7

7
7.8

MAP # 2 - DETAIL MAPS
BAILEY QUARRIES, INC.
SPENCER QUARRY
6-13-95 DAVID E. BAILEY

PAGE 2 OF 2
TOPOGRAPHIC MAP
SCALE (1" = 510')





MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION
SITE INFORMATION FORM

To be completed for each separate area of disturbance associated with mining operations.

SITE NAME OR NUMBER Chesapeake, MO East		PERMIT NUMBER 423	
COMPANY NAME Bailey Quarries, Inc.			
COUNTY Lawrence	1/4 SECTION	SECTION 22, 27	
TOWNSHIP 28N	RANGE 25W	ACRES 28 100 FEB 02/10/99 DEB	
RIVER OR STREAM NAME (FOR IN-STREAM ACRES) N/A			
MINERAL COMMODITY Limestone		ESTIMATED TONS/YEAR (FOR GRAVEL SITES) N/A	

NAME OF LANDOWNER (ATTACH LIST IF MORE THAN ONE) Otis Fulbright		
ADDRESS Rt. #1 - Box #185		
CITY Mount Vernon	STATE MO	ZIP CODE 65712
SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE): _____ <input checked="" type="checkbox"/> LEASE <input type="checkbox"/> VERBAL AGREEMENT		DATE OF AGREEMENT November 29, 1988

MINERAL RIGHTS OWNER (ATTACH LIST IF MORE THAN ONE) Otis Fulbright		
ADDRESS Rt. #1 - Box #185		
CITY Mount Vernon	STATE MO	ZIP CODE 65712
SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE): _____ <input checked="" type="checkbox"/> LEASE <input type="checkbox"/> VERBAL AGREEMENT		DATE OF AGREEMENT November 29, 1988

NOTE: Each site must be shown on a map and be included in a public notice and an approved mine plan.



MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION
MINE PLAN

P.O. BOX 176
JEFFERSON CITY, MO 65102

*Chesapeake east
site*

TYPE OF PLAN (CHECK ONE):

☐ SHORT TERM, FOR ONE PERMIT YEAR

☒ LONG TERM, FOR PERIOD THROUGH DATE:

MAY 2002

DESCRIPTION OF SITE PRIOR TO LAND RECLAMATION COMMISSION PERMITTING (BY APPLICANT OR PRIOR OPERATOR), INCLUDING SOIL, VEGETATION AND TOPOGRAPHY.

Plan covers an area of approximately 100 acres. Topography is rolling with steep slopes, grassy, open with no wooded area. Topsoil is thin and rocky.

OPERATION PLAN - 10 CSR 40-10.020(2)(D)1.

A. TOPSOIL

AVERAGE DEPTH OF TOPSOIL, PRIOR TO LAND RECLAMATION COMMISSION PERMITTING

2

INCHES

IS TOPSOIL TO BE SOLD OR DISCARDED OFFSITE?

☐ YES OR

☒ NO

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL REMOVAL

The removal of overburden will be done by dozer. The topsoil will be pushed to the storage pile and, if present, subsoil will be placed in storage sites to be used in the final grading after quarrying operations have been completed in specific areas.

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL STORAGE AND PROTECTION

Topsoil removal will be done with a dozer and will be placed in storage piles near the pit area with either the dozer or end-loader and trucks. Piles will be seeded with grass to resist erosion.

B. SPOIL

DESCRIBE METHODS AND LOCATION OF SPOIL PLACEMENT AND DISPOSAL

All overburden removed from quarry area will be placed in mined-out portions of the quarry and graded to a rolling topography and top soil will then be replaced.

C. ACID MATERIALS

DESCRIBE METHODS AND EQUIPMENT USED FOR HANDLING ACID MATERIALS (IF NONE IS ANTICIPATED, WRITE "NONE" BELOW)

NONE

D. PIT INFORMATION (GIVE ALL DIMENSIONS IN FEET)

DESCRIBE LOCATION AND ORIENTATION OF PIT, IF NOT CLEAR ON SITE MAPS

The pit areas on this property are expansions of areas created by several previous operators. They consist of three main pits with individual cuts leading from them.

YES NO

☐ ☒ Will any excavation be at or within fifty feet (50') of the right-of-way of any public road?

☐ ☒ Will any highwall consisting of unconsolidated materials be left within fifty feet of the right-of-way of any public road? (NOTE: For unconsolidated materials left in place, a slope of no more than forty degrees may start near the right of way, and in no case may the excavation be closer to the right of way than fifty feet or twenty-five feet plus one and one-half (1-½) times the depth of unconsolidated material, whichever is greater, unless a variance is granted by the Commission.)

☐ ☒ Will any excavation start at or within fifty feet (50') of any property line?
(NOTE: If the answer is "yes", a safety barrier may be needed.)

A. REVEGETATION (Attach additional sheets, if needed)

REVEGETATION MIX #1

#1

PURPOSE OR LAND USE

PASTURE

B. SEEDING OR PLANTING TIME

SPRING (March 15-May 15)

DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

During the first spring following topsoil replacement, the seed mix will be broadcast. Re-seeding will be done as needed to achieve grass cover sufficient to control erosion and to support pasture. The equipment to be used for seeding will be a farm tractor with a seeding attachment, and incorporation into the soil will be done with a disc or harrow.

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE
KENTUCKY 31 FESCUE	25# per acre		
SERICEA LESPODEZA	5# per acre	4/4 WEB	
ORCHARD Grass	10# per acre	4/4 WEB	

REVEGETATION MIX #2

4/4 WEB
2

PURPOSE OR LAND USE

Wildlife

4/4 WEB

B. SEEDING OR PLANTING TIME

Same as #1

4/4 WEB

DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

Same as #1
4/4 WEB

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE
ORCHARD Grass	20 #/acre	4/4 WEB	
Korean Lespedeza	3 #/acre	4/4 WEB	

ATTACH ADDITIONAL SHEETS FOR ADDITIONAL SEED MIXES.

B. GRADING

DESCRIBE PROPOSED RECLAIMED TOPOGRAPHY, INCLUDING SLOPES

ALL SPOIL AREAS WILL BE GRADED TO SLOPES TRAVERSABLE BY FARM MACHINERY. FINAL PIT AREAS TO BE USED FOR LIVESTOCK PRODUCTION.

RECEIVED

JUN 08 1992

MISSOURI LAND
RECLAMATION COMMISSION**C. DESCRIBE THE GENERAL SEQUENCE AND TIMING OF THE FOLLOWING ACTIVITIES****GRADING**

GRADING WILL BE DONE AS PIT ADVANCES AND AS SPOIL IS PLACED IN THE MINED-OUT PORTIONS. FINAL GRADING TO BE COMPLETED WITHIN 12 MONTHS AFTER QUARRYING ACTIVITIES ARE COMPLETED IN CLOSE PROXIMITY TO RECLAMATION.

REPLACEMENT OF TOPSOIL

TOPSOIL WILL BE PLACED UPON COMPLETED GRADED AREA TO THE EXTENT THAT IT WAS PRIOR TO QUARRYING.

REVEGETATION

ALL TOP-SOILED AREAS WILL BE SEEDED DURING THE FIRST SPRING FOLLOWING TOP-SOIL REPLACEMENT WITH ALL SEEDING AND PLANTING TO BE COMPLETED WITHIN 24 MONTHS AFTER QUARRYING ACTIVITIES ARE COMPLETED.

AVERAGE DEPTH OF REPLACED TOPSOIL (INCHES)

2" topsoil + 10" of sub-soil to equal 12" total on post 1990 disturbances

D. USE OF LAND WHEN RECLAIMED

Estimate acreage of each land use below, after reclamation

ESTIMATED ACRES:

Wildlife (forest or other habitat with livestock excluded)

Agricultural (pasture, cropland, and horticultural)

Development (residential, industrial, and recreational)

Water impoundments (for wildlife, agricultural, or development)

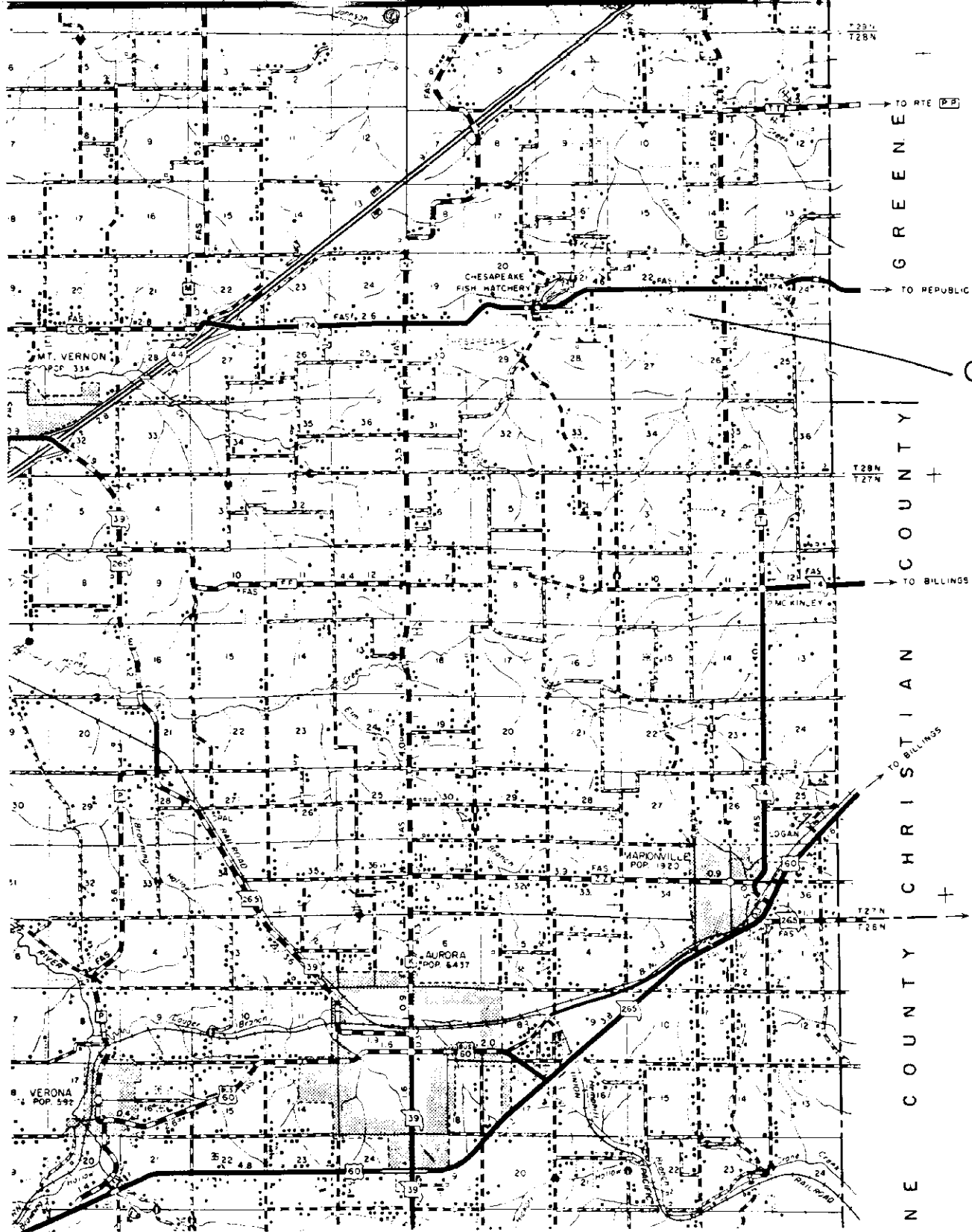
10
30
50

10

By my signature, I attest to the following:

1. All statements made on this Mine Plan Form are correct, complete, and true, to the best of my knowledge.
2. I or the company I am authorized to represent intend(s) to mine in accordance with this Mine Plan Form, and in accordance with the Missouri Land Reclamation Act, Sections 444.760 through 444.789, RSMo (Supp. 1990), and all rules, regulations, orders, decisions and permits of the Missouri Land Reclamation Commission pertaining to my company's surface mining operations.
3. I have obtained the approval of all landowner's for all proposed post-reclamation land uses.
4. I have a valid agreement with all landowners which gives me the right to grant access to the Director of the Missouri Land Reclamation Commission and his authorized representatives, and I grant such access, and further where I have no such right, I have attached signed affidavits from the landowners, granting such access.

SIGNATURE OF APPLICANT <i>David E. Bailey</i>		TITLE <i>Pres.</i>	DATE <i>Apr. 24 1992</i>
NOTARY PUBLIC EMBOSSEER SEAL	STATE <i>Missouri</i>	COUNTY (OR CITY OF ST. LOUIS) <i>GREENE</i>	
	SUBSCRIBED AND SWORN BEFORE ME, THIS <i>24th</i> DAY OF <i>April</i> 19 <i>92</i>		USE RUBBER STAMP IN CLEAR AREA BELOW MICHAEL L. SCHATZ Notary Public Greene County State of Missouri My Commission Expires Aug. 7, 1998
	NOTARY PUBLIC SIGNATURE <i>[Signature]</i>	MY COMMISSION EXPIRES <i>8-7-92</i>	
	NOTARY PUBLIC NAME (TYPED OR PRINTED) <i>Michael L. Schatz</i>		
APPROVED BY (DIRECTOR'S REPRESENTATIVE) <i>Matthew K. Gynn</i>		DATE APPROVED <i>6-11-92</i>	PERMIT NUMBER <i>423</i>



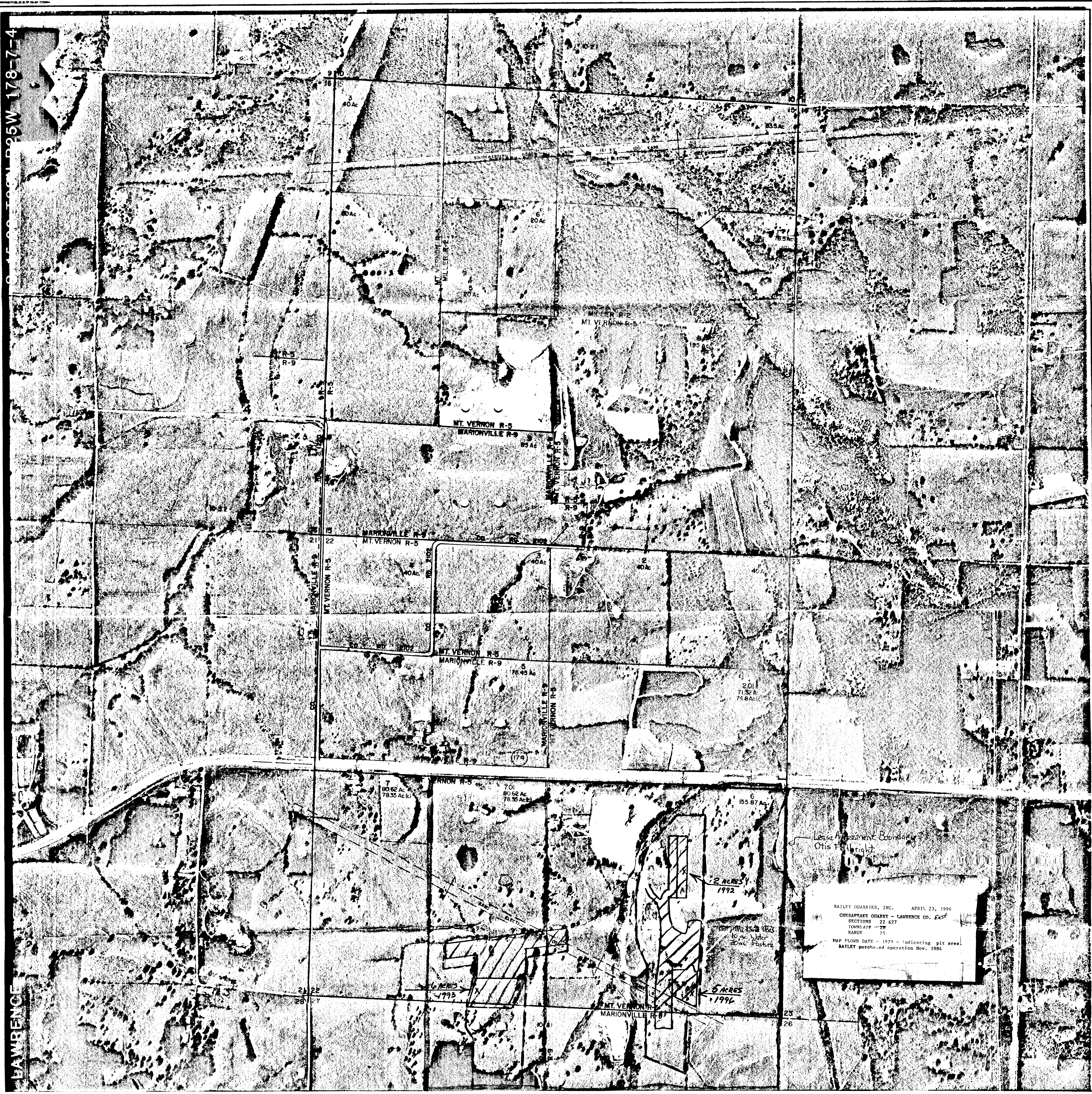
- Paved Road or Low Water Bridge
- Bridge - General (span longer than 20 feet)
- Small Bridges Closely Spaced
- Drawbridge
- Suspension Bridge
- Arch Bridge
- Steel Truss Bridge
- City, Town and Village Limits
- Delimited Urban Area Line

- Combined Dwelling and Business
- Weight Station
- Forest Ranger Station
- Forest Lookout Tower
- SHD Maintenance Shed
- State Highway Patrol Station
- State Capitol
- County Seat
- Other Cities, Towns and Villages



Bailey Quarries - Permit # 423
Chesapeake Site East
S-22, 27, T-28N, R-25W

GENERAL HIGHWAY MAP LAWRENCE COUNTY MISSOURI



OWNERSHIP MAP
LAWRENCE COUNTY, MISSOURI
PREPARED UNDER THE DIRECTION OF
STATE TAX COMMISSION OF MISSOURI
AND
LAWRENCE COUNTY TAX ASSESSOR
PREPARED BY
HOOD-RICH ARCHITECTS AND CONSULTING ENGINEERS
801 S. GLENSTONE, SPRINGFIELD, MO. 65802

REVISIONS
DATE BY CHANGES OR ADDITIONS DATE BY CHANGES OR ADDITIONS

THIS PROPERTY OWNERSHIP MAP IS FOR TAX PURPOSES ONLY
IT IS NOT INTENDED FOR CONVEYANCES

LEGEND

STATE LINE	AREA (FROM DEED)	105 AC
COUNTY LINE	AREA (CALCULATED)	105 AC (C)
CORPORATION LINE	DIMENSION (FROM DEED)	165'
DISTRICT LINE	DIMENSION (SCALED)	66 (S)
R/W LINES	SUBDIVISION LOT NUMBER	23
SECTION LINE	PARCEL NUMBER	45
PROPERTY LINE	WATER	
ORIGINAL LOT LINE	INTERSTATE HIGHWAY	
LAND HOOK	U.S. HIGHWAY	
ORIGINAL BLOCK NO.	STATE HIGHWAY	
ORIGINAL S/D LIMIT	COUNTY HIGHWAY	
MAP BLOCK NO.	ROADS, STREETS	
MAP BLOCK LIMIT	CHURCHES, ETC.	
(WHERE APPLICABLE)	SECTION CORNERS	

BY NAME
11112

SUBDIVISION INDEX

SURD NO.	SUBDIVISION NAME	PLAT BOOK	PAGE
	CHESAPEAKE QUARRY		

BAILEY QUARRIES INC.
1996 22.38 ACRES TOTAL PERMIT
- 100 ACRE MINE PLAN APR. 23 1996

TOWNSHIP LOCATOR
R29W | R28W | R27W | R26W | R25W

T29N	05	04	03	02	01
T28N	06	07	08	09	10
T27N	15	14	13	12	11
	16	17	18	19	20

MAP SHEET INDEX

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
4	3	2	1	0	1
19	20	21	22	23	24
30	29	28	27	26	25
9	8	7	6	5	4
31	32	33	34	35	36

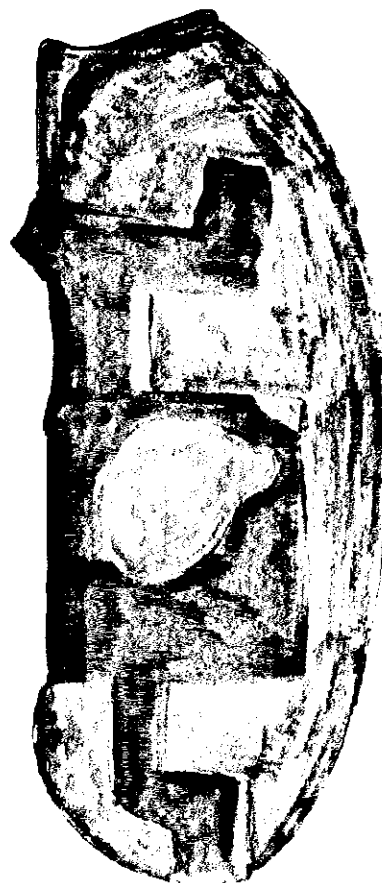
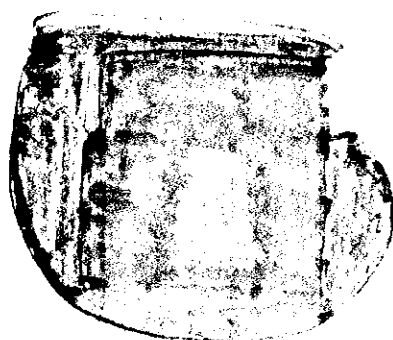
RECEIVED
APR 29 1996
MISSOURI LAND RECLAMATION COMMISSION

SECTION INDEX
2 1
1 4

SEC 15.22 TWP 28 N. R26 W. 25 W.
MAP NO. 96-10-5.1

SCALE: 1" = 400'
DATE OF MAP: 7-1-82
DATE OF PHOTOGRAPHY: 9-8-79
AERIAL PHOTO NO.: 178-7-4
96-10-5.1 TWP 28 N. R26 W. 25 W.

↑ N



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FEB 17 1999
MISSOURI LAND
RECLAMATION COMMISSION

BAILEY QUARRIES, INC.
PERMIT #0423
CHESAPEAKE EAST

DATE 02-15-99

_____ WILDLIFE
_____ PASTURE
_____ INDUSTRIAL
_____ WATER